SAMSUNG

WASHING MACHINE
DRUM TYPE

Basic Model : WF337AAW/XAA
(FRONTIER2-PROJECT)

Model Name : WF448AAW WF448AAE
WF448AAP WF438AAR
WF428AAW WF428AAL
(PURPLE PROJECT)

Model Code : WF448AAW/XAC
WF448AAP/XAC
WF428AAW/XAC
WF428AAL/XAC
(PURPLE PROJECT)

SERVICE *Manual*

WASHING MACHINE (DRUM)

WF448AAW

CONTENTS

1. Safety Instructions
2. Features and Specifications
3. Disassembly and Reassembly
4. Troubleshooting
5. Exploded Views and Parts List
6. PCB Diagram
7. Wiring Diagram
8. Schematic Diagram

Refer to the service manual in the GSPN (see the rear cover) for the more information.

CONTENTS

1. Safety instructions 1
1-1. Safety instructions for service engineers 1

2. Features and Specifications 5
2-1. Features 5
2-2. Specifications 7
2-3. Comparing specifications with existing models 8
2-4. Options specifications 9

3. Disassembly and Reassembly 10
3-1. Tools for disassembly and reassembly 10
3-2. Standard disassembly drawings 11

4. Troubleshooting 20
4-1. Error modes 20
4-2. Corrective actions for each error code 24

5. Exploded views and Parts list 31
5-1. MAIN 32
5-2. FRAME & COVER PARTS 38
5-3. ASS'Y TUB & DRUM 48
5-4. ASS'Y FRAME FRONT & DOOR 58
5-5. ASS'Y PANEL CONTROL 64
5-6. ASS'Y DRAWER 70
5-7. ASS'Y HOUSING DRAWER 76
5-8. PARTS LIST (OTHERS PARTS) 82
5-9. PARTS LIST (SCREW PARTS) 86

6. PCB diagram 90
6-1. Main PCB 90
6-2. Connector and Relay Port Part Detailed Manual (Main PCB) 91
6-3. Sub PCB 92
6-4. Connector Port Part Detailed Manual (Sub PCB) 93

7. Wiring diagram 94
7-1. Wiring diagram 94

8. Schematic diagram 95
8-1. Main control 95
8-2. Sub control (LCD) 96
8-3. Sub control (Graphic) 97

1. SAFETY INSTRUCTIONS

1-1. SAFETY INSTRUCTIONS FOR SERVICE ENGINEERS

► Be sure to observe the following instructions to operate the product correctly and safely to prevent possible accidents and hazards while servicing.

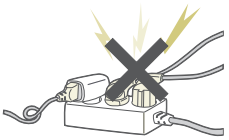
► Two types of safety symbols, Warning and Caution, are used in the safety instructions.

⚠ **WARNING**	**Hazards or unsafe practices that may result in severe personal injury or death.**
⚠ **CAUTION**	**Hazards or unsafe practices that may result in minor personal injury or property damage.**

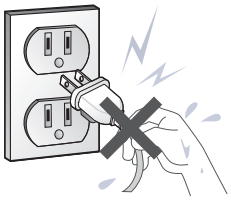
⚠ WARNING BEFORE SERVICING

- (When servicing electrical parts or harnesses) Make sure to disconnect the power plug before servicing.
  ✔ Failing to do so may result in a risk of electric shock.

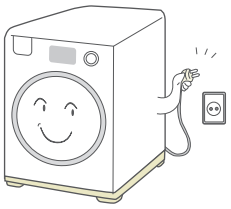
- Do not allow consumers to connect several appliances to a single power outlet at the same time.
  ✔ There is a risk of fire due to overheating.



- When removing the power cord, make sure to hold the power plug when pulling the plug from the outlet.
  ✔ Failing to do so may damage the plug and result in fire or electric shock.



- When the washing machine is not being used, make sure to disconnect the power plug from the power outlet.
  ✔ Failing to do so may result in electric shock or fire due to lightning.



- Do not place or use gasoline, thinners, alcohol, or other flammable or explosive substances near the washing machine.
  ✔ There is a risk of explosion and fire caused from electric sparks.

⚠ WARNING WHILE SERVICING

- Check if the power plug and outlet are damaged, flattened, cut or otherwise degraded.
  ✔ If faulty, replace it immediately.
  Failing to do so may result in electric shock or fire.

- Completely remove any dust or foreign material from the housing, wiring and connection parts.
  ✔ This will prevent a risk of fire due to tracking and electrical hazard..

- When connecting wires, make sure to connect them using the relevant connectors and check that they are completely properly.
  ✔ If tape is used instead of the connectors, it may cause fire due to tracking.

- Make sure to discharge the PBA power terminals before starting the service.
  ✔ Failing to do so may result in a high voltage electric shock.

- When replacing the heater, make sure to fasten the nut after ensuring that it is inserted into the bracket-heater.
  ✔ If not inserted into the bracket-heater, it touches the drum and causes noise and electric leakage.

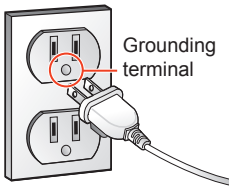
⚠ WARNING AFTER SERVICING

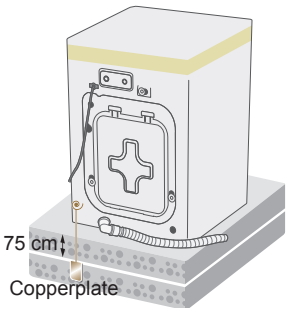
- Check the wiring.
  ✔ Ensure that no wire touches a rotating part or a sharpened part of the electrical harness.

- Check for any water leakage.
  ✔ Perform a test run for the washing machine using the standard course and check whether there is any water leakage through the floor section or the pipes.

- Do not allow consumers to repair or service any part of the washing machine themselves.
  ✔ This may result in personal injury and shorten the product lifetime.

- If it seems that grounding is needed due to water or moisture, make sure to run grounding wires.
  (Check the grounding of the power outlet, and additionally ground it to a metallic water pipe.)
  ✔ Failing to do so may result in electric shock due to electric leakage.
  [Running a grounding wire]
  - Twist a grounding wire (copper wire) two or three times around the tap.
  - If you connect the grounding wire to a copperplate, bury it 75 cm under the earth in a place with a lot of moisture.
    ⚠ Do not connect the grounding wire to a gas pipe, plastic water pipe or telephone wire. There is a risk of electric shock or explosion.



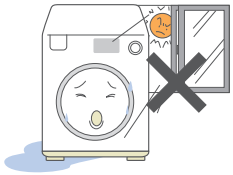


⚠ CAUTION BEFORE SERVICING

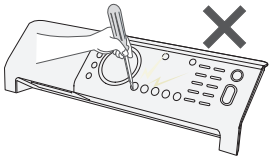
- Do not sprinkle water onto the washing machine directly when cleaning it.
  - ✔ This may result in electric shock or fire, and may shorten the product lifetime.

- Do not place any containers with water on the washing machine.
  - ✔ If the water is spilled, it may result in electric shock or fire. This will also shorten the product lifetime.

- Do not install the washing machine in a location exposed to snow or rain.
  - ✔ This may result in electric shock or fire, and shorten the product lifetime.



- Do not press a control button using a sharp tool or object.
  - ✔ This may result in electric shock or damage to the product.



⚠ CAUTION WHILE SERVICING

- When wiring a harness, make sure to seal it completely so no liquid can enter.
  - ✔ Make sure that they do not break when force is exerted.

- Check if there is any residue that shows that liquid entered the electric parts or harnesses.
  - ✔ If any liquid has entered into a part, replace it or completely remove any remaining moisture from it.

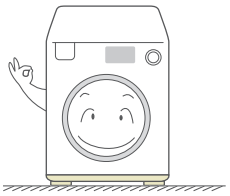
- If you need to place the washing machine on its back for servicing purposes, place a support(s) on the floor and lay it down carefully so its side is on the floor.
  - ✔ Do not lay it down on its front. This may result in the inside tub damaging parts.

⚠ CAUTION AFTER SERVICING

- Check the assembled status of the parts.
  - ✔ Now is a good time to inspect your work. Review all connections and wiring, including mounting hardware.

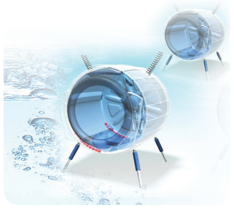
- Check the insulation resistance.
  - ✔ Disconnect the power cord from the power outlet and measure the insulation resistance between the power plug and the grounding wire of the washing machine. The value must be greater than 10MΩ when measured with a 500V DC Megger

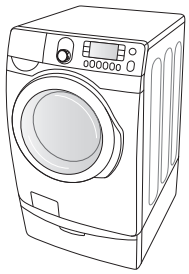
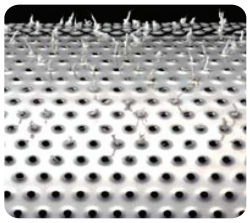
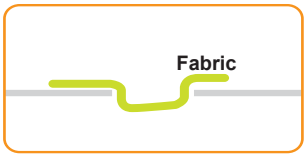
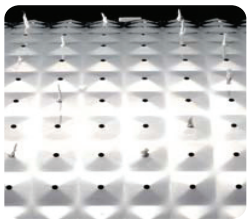
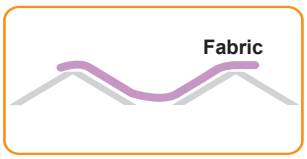
- Check whether the washing machine is level the floor with respect to the original position of the washing machine prior to service.
  By doing this now will reduce for the need of customer dissatisfaction and redo call.
  - ✔ Vibrations can shorten the lifetime of the product.



2. FEATURES AND SPECIFICATIONS

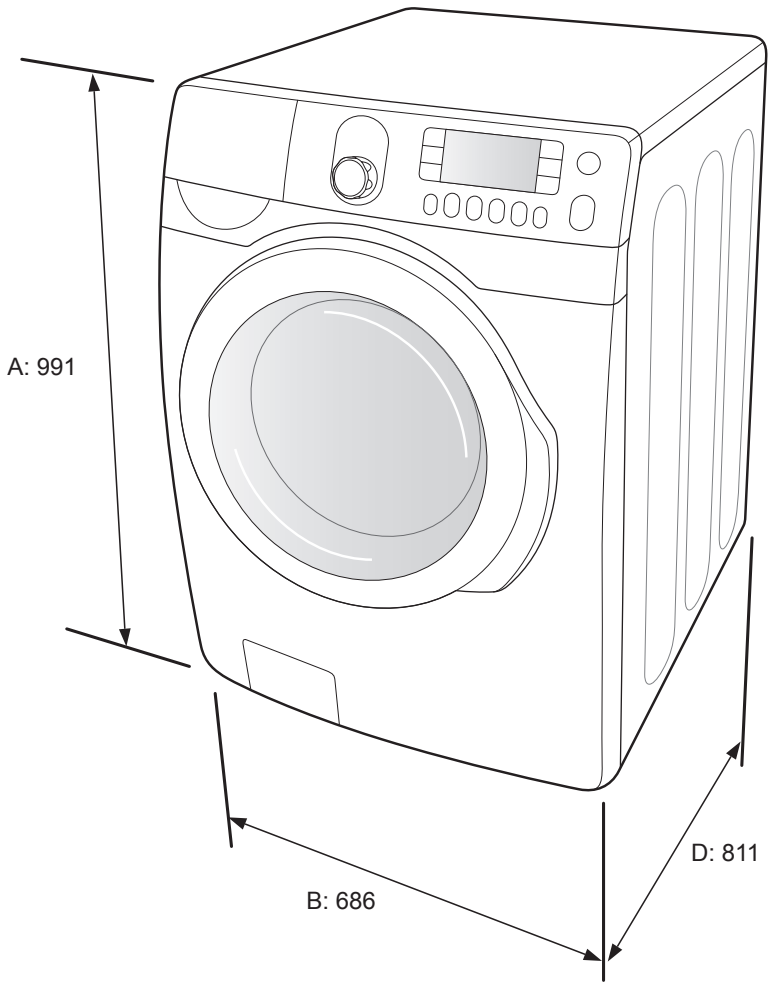
2-1. FEATURES

Features	Description
SilverCare™ Sanitization	• The winning combination! Samsung's silver nano technology combines the sanitizing effect of silver with state-of-the art science for the ultimate in clean. Two plates of 99.9% pure silver are converted into silver ions through electrolysis. They penetrate deep into the wash water to kill bacteria and fungi. Even in cold, bleach-less water, the silver particles kill 99.9% of odor causing bacteria for a "super clean" wash. So washing in cold water is energy efficient and better for your clothes. • Samsung's unique technology generates silver ions that remove bacteria and fungi, and creates an invisible shield that protects your clothes from unwanted odors until your next wash. Using an ancient and proven purification technique so simple, yet so advanced, it removes microbes even in cold water. • Effect of Silver Wash System - Keeps Stored Clothes Fresh The Ag+ Silver (Nano) Technology anti-bacterial effect keeps fabric free from odor-causing micro-organisms for up to one month, without the use of strong chemical cleaners. There's no need to worry about musty-smelling clothes even if they remain unused for a long period. - Makes Shapeless Garments a Thing of the Past High temperatures and harsh bleaches can damage and discolor your clothes. The Ag+ Silver (Nano) Technology helps your clothes last longer, without stretching, shrinking, pilling or fading.
VRT Steam™	• Superior washing performance • Loosen up grime/dirt easily with the tough of a button. • Saving time & energy providing extraordinary cleaning power.
The 4.5 Large Capacity	• Maximum Capacity, Time & energy Saving • King Size comforter with other beddings
Quietest VRT™	• Lowest Vibration & Noise • Samsung's VRTTM provides smooth operation at spin speeds up to 1300 rpm. • 2nd floor as well as main floor installation available 
High efficiency energy & Water saving	• Washing with Samsung's SilverCare™, even in cold water, sanitizes the laundry thereby saving 92% of the energy normally used with hot water sanitization.
Direct drive inverter motor	• The power to handle anything! Our direct-drive inverter motor delivers power right to the washer tub from a variable speed, reversible motor. A beltless direct-drive motor generates a higher spin speed of 1,300rpms for more effective, quiet operation. The washer also has fewer moving parts, meaning fewer repairs.

Features	Description
Woolmark certified	• The machine wash wool cycle on the Samsung SilverCare™ machines has been tested and has passed the required Woolmark Company specification for machine washable wool products. Fabrics should be washed according to the instructions on the garment label as specified by Woolmark and Samsung.
Pedestal with storage drawers **(Model No : WE357A7P/E/W)**	• An optional 15” pedestal is available to raise the washer for easier loading and unloading. It also offers a built-in storage drawer that can hold a 100 oz. bottle of detergent 
Stacking **(Model No : SK-5A/XAA)**	• Samsung washers and dryers can be stacked to maximize usable space. An optional stacking kit is available for purchase from your Samsung retailer.
Diamond Drum	• The washing performance has improved and potential damage to the clothing has been minimized. (The size of the holes on the diamond drum has been reduced for minimizing damage to the clothing/garment.) - The embossed wall of the drum serves as a washboard, dramatically increasing the washing performance compared with existing drum washing machines, which uses the power of the difference in elevation only. - The size of holes has been reduced drastically, maintaining the optimal wash performance (Washing Cost 1.0) while saving on water and electricity required for washing. - The structure of the holes on the diamond drum was redesigned to minimize potential damage to the clothing.  **Conventional**   **Diamond Drum** 

2-2. SPECIFICATIONS

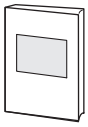
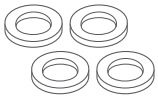
Model		WF448AAW / WF448AAE / WF448AAP WF438AAR / WF428AAW / WF428AAL	
Wash type		Front loading type	
Dimension (Inches / mm)	A: High-Overall	39” / 991 mm	
	B: Width	27” / 686 mm	
	C: Depth with door open 90º	51.7” / 1314 mm	
	D: Depth	31.9” / 811 mm	
Water pressure		20 ~ 116 psi (137 ~ 800 kpa)	
Weight		107 Kg (236 lb)	
Capacity		4.5 Cu.Ft (iec)	
Power consumption	Washing	120 V	250 W
	Washing and heating	120 V	1100 W
	Spin	120 V	600 W
	Drain	120 V	80 W
Spin revolution	rpm	1300 RPM (1250 RPM)	



2-3. COMPARING SPECIFICATIONS WITH EXISTING MODELS

Grade		PURPLE	FRONTIER 2
Model Name		WF448AAW WF448AAE WF448AAP WF438AAR WF428AAW WF428AAL	WF337AAW WF328AAG
Image			
Capacity		4.5 cu.ft	3.8 cu.ft
Size (W x D x H)		27”(686mm) x 31.9”(811mm) x 39”(991mm)	27”(686mm) x 31.1(790mm) x 38”(965mm)
Energy	Rating Voltage	120V/60Hz	120V/60Hz
	Washing Watage	250W	226W
	Washing & Heating	1100W	997W
	Spin Watage	600W	379W
	Drain Watage	80W	41W
	Annual Energy Consumption (Kwh/Year)	166	210
Main Spec	Drum Volume	109 ℓ	93.4 ℓ
	RPM (Max Spin Speed)	1300	1300/1200
	MOTOR	DD	DD
	MEF	2.68	2.31
	WCF	3.4	3.8
USP	VRT (Lowest Vibration & Noise)	O	O
	Steam Kit	O (Only WF448***)	X
	Siver Wash	O	O
	Diamond Drum	O	X
	Internal Heater	O	O
	Circulation Pump	O	X
	Interial Drum Light	O	X
Design	Display Type	LED + 2.5” LCD	LED
	Display Color (LED)	White LCD + Red	Red
	Door Trim	Chrome	Chrome
	Frame	W : White E : Cooper P : Stainless platium R : Tango red L : Onyx blue	W : White E : Cooper P : Stainless platium R : Tangored

2-4. OPTIONS SPECIFICATIONS

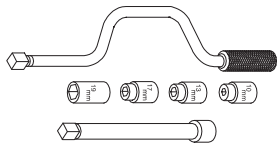
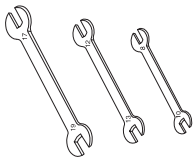
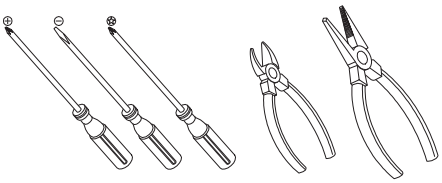
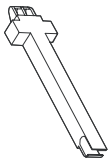
Item		Code	QTY	Remarks
	BOLT-SPANER (Wrench)	DC60-40146A	1	Default
	HOSE-WATER(H)	DC62-00075A	1	Default
	HOSE-WATER(C)	DC62-00075B	1	Default
	MANUAL-BOOK	DC68-02535B	1	Default
	CAP-FIXER	DC67-00307A	6	Default
	SEAL-WATER	DC62-40178A	4	Default
	HOSE-HANGER	DC62-10278A	1	Default

Note

- You can purchase additional water supply and drain hoses from a service center.
- For built-in models, the spanner(wrench), water supply and drain hoses are not supplied. Both the water supply and drain hoses are supplied during the installation.

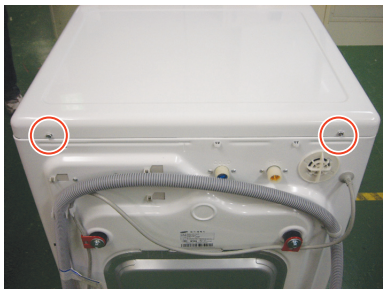
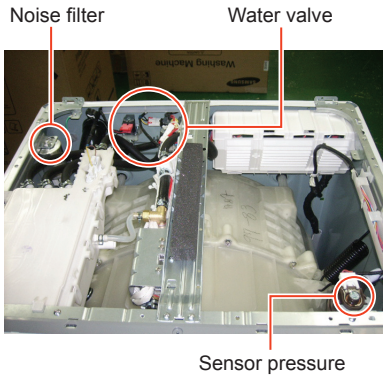
3. DISASSEMBLY AND REASSEMBLY

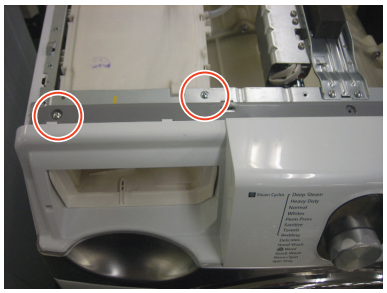
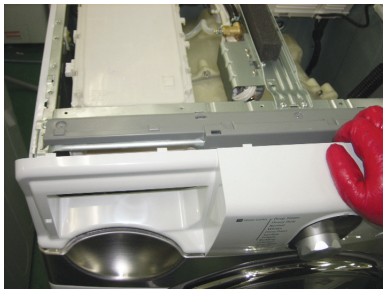
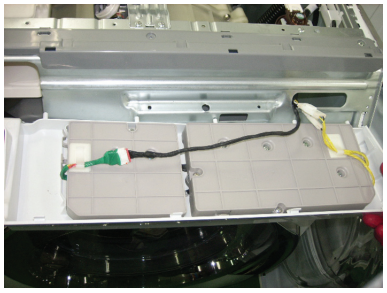
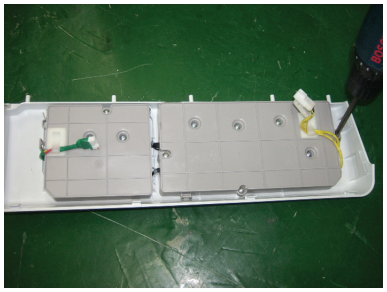
3-1. TOOLS FOR DISASSEMBLY AND REASSEMBLY

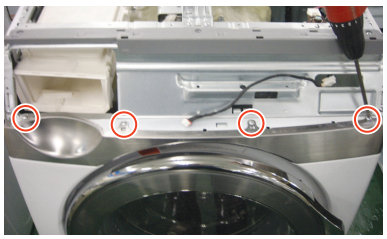
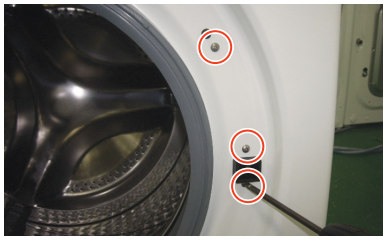
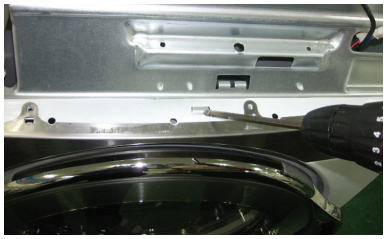
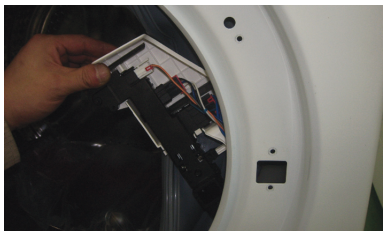
Tool		Type	Remarks
	Socket Wrench with 6” Extension	10mm 13mm 19mm	Heater (1) Motor (1), Balance (5), 2 holes of each left and right of the shock absorber 1 Pulley hole
	Open End wrench	10mm 13mm 19mm	Replaceable for the box driver. Since the bolt runs idle when the box driver is used, use the box driver 17mm.
	Vice pliers		Tool to protect the idle and abrasion of the bolt for the box driver.
	Others (Driver, Nipper, Long nose)		General tools for the after service.
	JIG for the Tub		1 (Disassemble and Assemble)

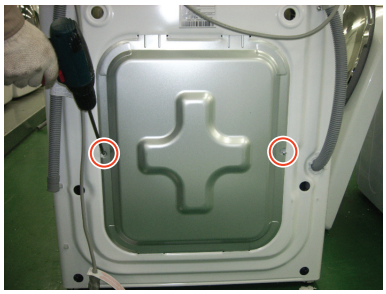
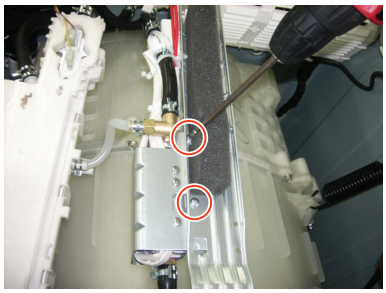
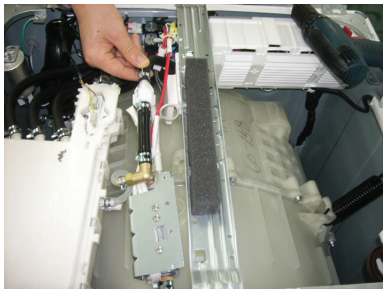
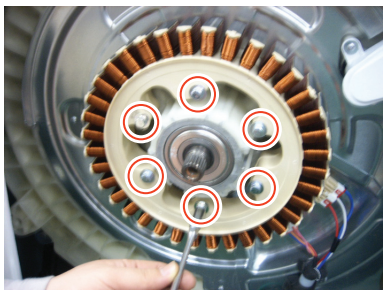
3-2. STANDARD DISASSEMBLY DRAWINGS

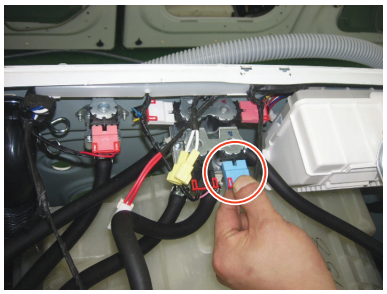
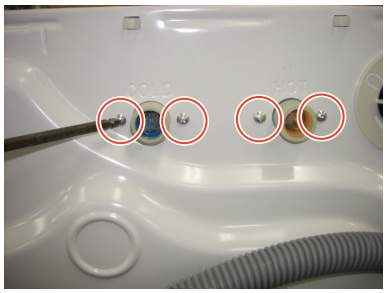
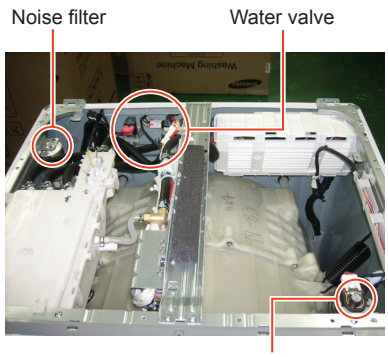
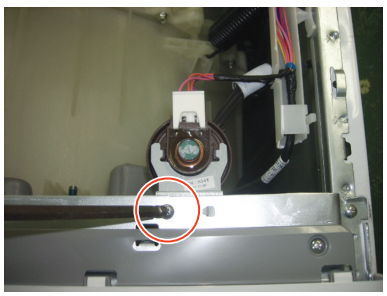
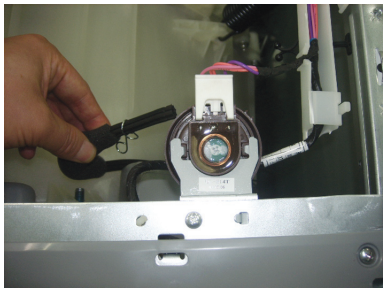
► This is a standard disassembly diagram and may differ from the actual product.
Use this material as a reference when disassembling and reassembling the product.

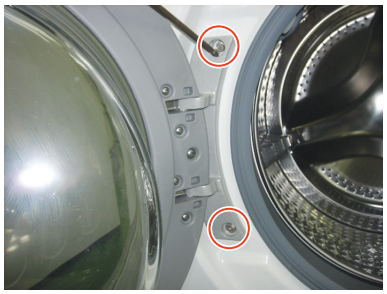
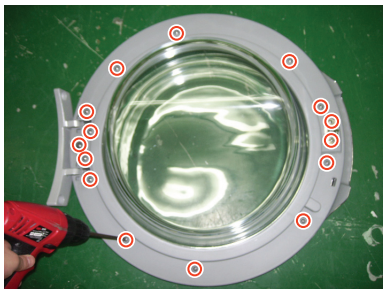
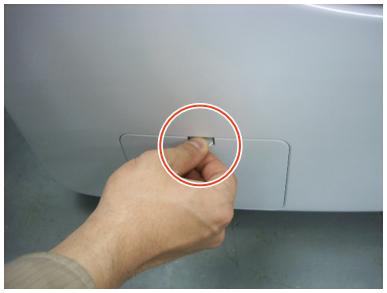
Part	Figure	Description
ASSY COVER TOP		1. Remove the two screws holding the Top Cover at the back of the unit.
		2. Remove the top-cover by lifting it up after pulling it back about 15mm.
		3. With the top cover removed you will now have access to service the Water pressure sensor, EMI Noise Filter, Hot and Cold Water Valves, Steam ASSY, Hose Draw ASSY, and Main PCB ASSY.

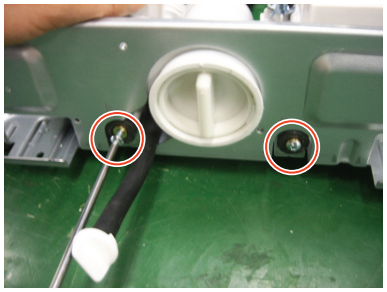
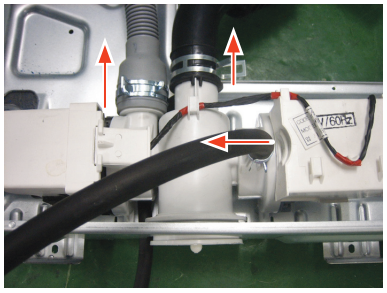
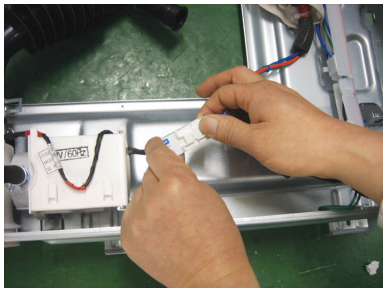
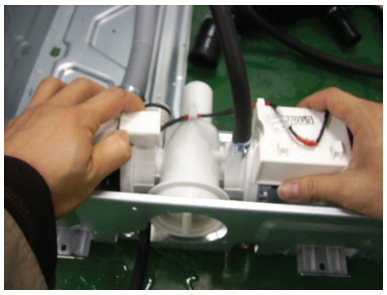
Part	Figure	Description
MAIN-PCB AND SUB-PCB PANEL		1. Remove the 2 screws at the top of the ASSY-PANEL CONTROL.
		2. Hold the ASSY-PANEL CONTROL while pulling it upwards and release the hook to remove it.
		3. Carefully disconnect the two wiring connectors by hand.
		4. Remove the 10 screws holding the PCB and release the hooks on both sides to remove the PCB for repair / replacement.

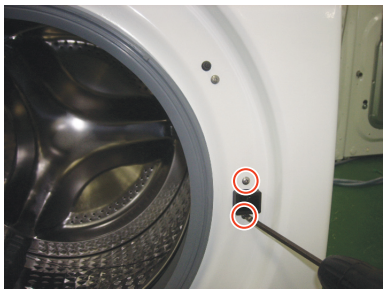
Part	Figure	Description
FRAME FRONT		1. Separate the Wire-Diaphragm from the Front-Frame and remove the Diaphragm.
		2. Remove the 6 screws holding the FRAME-FRONT.
		3. Remove the 2 screws holding the bottom of the FRAME-FRONT.
		4. Untie the hose.
		5. Remove the 3 screws.
		6. Push the hook.
		7. Disconnect the terminal for the DOOR-LOCK switch.

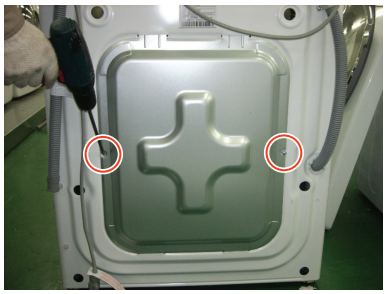
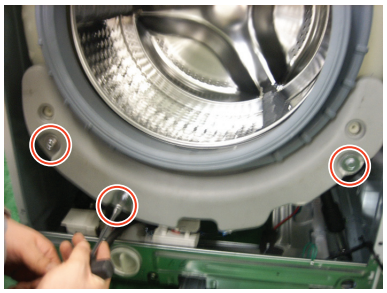
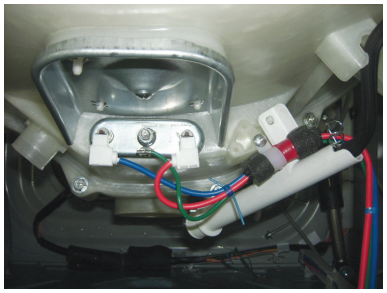
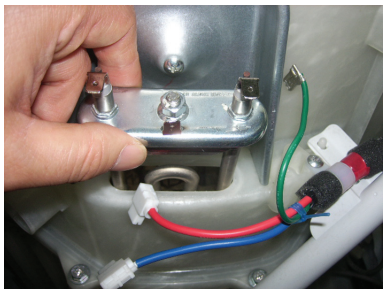
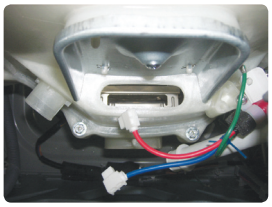
Part	Figure	Description
COVER-BACK		• Remove the 2 screws holding the Back-Cover at the back of the washing machine
STEAMER (Only WF448***)		1. Remove the 2 screws holding the Guide Wire at the upper of the washing machine.
		2. Disconnect the terminal for the steamer
DD MOTOR		1. Remove the one bolt for the DD Motor.
		2. Remove the 6 screws.

Part	Figure	Description
WATER SUPPLY VALVE		1. Remove the Top Assy-Plate. 2. Disconnect the water supply valve wire connector.
		3. Remove the 4 screws holding the water supply valve.
WATER LEVEL SENSOR		1. Separate the Top Assy-Plate.
		2. Remove the screw holding the water level sensor.
		3. Disconnect the wire between the PRESSURE HOSE and the water level sensor for repair / replacement.

Part	Figure	Description
DOOR HINGE		1. Remove the 2 screws holding the Door Hinge and separate the door.
		2. Remove the 15 screws holding the Holder Glass, separate the Holder Glass and replace the hinge.
DRAIN PUMP		1. Insert the (-) screwdriver into the upper part of the Filter Cover and push it downwards to release the latch.
		2. Drain the remaining water through the drainage hose. Be sure to use a small bowl to collect the water collected from the drain hose.
		3. Separate the Drain Filter by turning it counterclockwise. Since the remaining water may flow out, place a bowl underneath it when separating the filter..

Part	Figure	Description
DRAIN PUMP (Continued)		4. Remove the 2 screws holding the Drain Pump.
		5. Drain the remaining water through the drainage hose.
		6. Disconnect the wire connector.
		7. Push it back and lift it up.
	✔ Check Points for Troubleshooting 1. Separate the Drain Filter and check if any alien substances are inside the pump (e.g. coins, buttons .., etc.) → Remove these if found. 2. Check if the wire connector for the Drain Pump ASSY has come loose. Reconnect if necessary. 3. When water leaks, check the assembly status of the Clamp Hose, and Cap Drain → Take the relevant countermeasure if necessary. Turn the filter cap counterclockwise, clean and remove any material that has collected.	

Part	Figure	Description
DOOR-LOCK S/W		1. Open the Door. Remove the Wire Diaphragm and remove it from The Front Frame. For easier disassembly, remove the spring from the lower part of the Diaphragm with a (-) screwdriver. Since the Diaphragm can be damaged when removing it, remove it slowly in one direction.
		2. Remove the 2 screws.
		3. Remove the screw holding the Door-Lock S/W. Remove the Door-Lock S/W. Remove the connection wire. (Remove the connector after releasing it by pressing the latch.)

Part	Figure	Description
Heater		1.Seperate the Back Cover
		2.Seperate the 3 bolts
		3. Seperate the Connection Housing(3). Remove the nut holding the heater and the heater.
		4. Remove the heater from the Tub. ⚠ **Caution**  Make sure to insert the Heater into the correct position of the bracket inside the Tub when reassembling it. Otherwise, there is a risk of fire. Make sure to push it inwards until the packing part comes into the Tub completely when reassembling it so that the packing part is completely stuck to the Tub. Fasten the holding nut with a force of 5Kgf/ cm2. If the nut is not fastened properly, there is a risk of water leaking.

Reassembly is in the reverse order of the removal.

4. TROUBLESHOOTING

4-1. ERROR MODES

► **This is a washer integrated error mode. For detailed information, refer to the general repair scripts.**

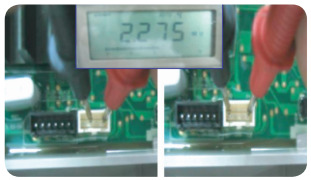
Error Type	For USA		Causes	Remarks
	LED	LCD		
Water Level Sensor	LE	Error! Water Level Sensor Problem	- The part of the hose where the water level sensor is located is damaged (punctured). - The hose is clogged with foreign material. - The hose is folded. - Too much lubricant has been applied to the insertion part of the air hose. - Hose engagement error (disengaged) - Part fault (Faulty internal soldering) - The water level sensor terminal is disengaged. - Main PBA fault.	
Motor Driving Error and Hall Sensor Error	3E	Error! The motor is not working properly.	- The PBA connector terminal is not connected. - The motor spin net is not engaged. - The motor's internal coil is damaged (short-circuited or cut) - The hall sensor terminal is not connected. - Foreign material (a screw) has entered the motor.	This error occurs because of restrained revolutions
	E3		- Motor overloaded due to too much laundry (Non-sensing) - The motor hall sensor terminal is not connected. - PBA fault - The motor driving error from the PBA is weak. : Unstable relay operation, etc.	This error occurs when an interference is generated due to too much laundry, etc.
	bE		- This occurs due to erroneous operating signals from the motor hall sensor. - The IPM terminal of the main PBA is not connected. - The DD motor cover is out of place. - The PCB housing terminal is not connected. - PBA fault - DD motor fault	
Water Supply Error	nF	Error! Low Water Pressure	- Foreign material is entering the water supply valve. - The water supply valve terminal is not connected. (Wire disconnected) - The warm water and rinse connectors are wrongly connected to each other. - This occurs if the PCB terminal from the drain hose to the detergent drawer is not connected. Check whether the transparent hose is folded or torn.	If this error occurs in the Wool course
			- The cold and warm water supply hoses are wrongly engaged into each other. - The temperature of the water supplied through the dry valve during a dry cycle is sensed as higher than 70 ˚C.	The water supplied for 1 minute drying the drying cycle is 0.3 ~ 0.4 L.
			- The water temperature is sensed as higher than 50 ˚C in the Wool or Lingerie courses.	
Drain Error	nd	Error! No Draining	- The pump motor impeller is damaged internally. - The wrong voltage (220 V → 110 V) is supplied to the parts. - Part fault - This occurs due to freezing in the winter season - The drain hose is clogged. (Injection error, foreign material) - Clogged with foreign material - The water pump terminal is not connected: rubber band, bills, cotton, hair pins, coins have collected inside the drain pump ASSY.	

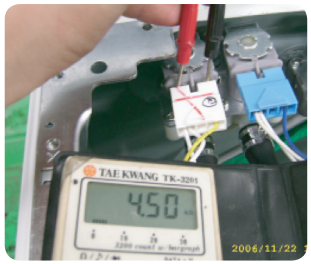
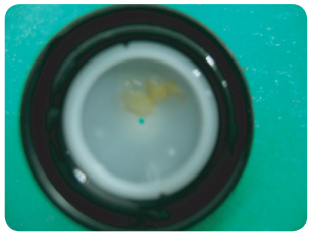
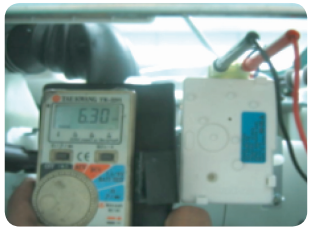
Error Type	For USA		Causes	Remarks
	LED	LCD		
Power Error	2E		- Check the consumer's power conditions. : Make sure to check the operating voltage. Connect a tester to the internal power terminals during the Boil or Dry operations and observe the washing machine's operation carefully. : Check the voltages. (An error occurs when under or over voltage is supplied.) : Check whether a plug receptacle is used. When the connecting wire is 1m, a momentary low voltage may drop up to 10 V - Main PBA fault (sometimes)	
	PF	-	- This error is not a fault but occurs during a momentary power failure : When this error code is displayed, the operation restarts from the cycle that was stopped due to the power failure. : If the washing machine is not operating and this error code is displayed, it is displayed to notify that a power failure has occurred.	
Communication Error	-		- The signals between the sub and main PBAs are not sensed because of commuication error. - Check the connector connections between the sub and main PBAs carefully. → Check for incorrect or loose connections, etc. - Remove the sub PBA C/Panel and check for any faulty soldering.	
Switch Error (Main Relay Error)	E2		- The Power button is pressed continually (for more than 12 seconds). - A switch is jammed or stuck due to be pressed unevenly due to deformation of the control panel or button. - This error may occur when the screws that hold the sub PBA in place are tightened too much. - A button other than the Power button is continually pressed (for more than 30 seconds). - Deformation of an internal plastic injection part - A screw for assembling the sub PBA is tightened too much.	
	Sr		- The main relay of the PBA is short-circuited. - The main relay terminal is connected incorrectly. (The terminal is bent and contact cannot be made.)	When the PBA motor relay does not operate

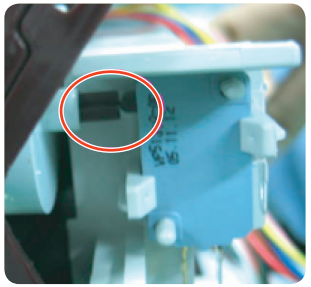
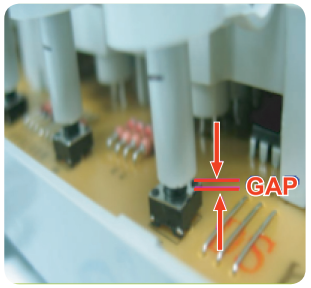
Error Type	For USA		Causes	Remarks
	LED	LCD		
Door Error	dS (Before operation)		- A switch contact error because of a deformation of the door hook - When the door is pulled by force	When the door is not opened after the door open operation
	dL (During operation)		- This occurs in the Boil wash because the door is pushed due to a pressure difference from internal temperature changes	When the door is not locked after the door close operation
	LO (Unlock Fail)		- The door lock switch terminal is connected incorrectly. - The door lock switch terminal is broken. - This occurs intermittently because of an electric wire leakage - Main PCB fault	
	FL (Lock Fail)			
Heater Error	Hr (Heater Relay)		- The washing heater is short-circuited or has a wire disconnected. - The washing heater in the tub has an error. (Contact error, temperature sensor fault) - If the water level sensor operates without water because water is frozen or for any other reason and the temperature sensor engaged at the bottom to prevent overheating for the washing heater detects a temperature of 100 to 150 ˚C, the washing machine turns the input power off.	If the heater has no error, this occurs because of a PBA relay malfunction.
			- This error occurs when the red temperature sensor at the center of the dry heater operates (at a temperature higher than 145 ˚C) : Corrective action – Press the button at the center lightly. The washing machine will operate normally. Alternatively, replace the temperature sensor if the temperature sensing is unstable because of functional degradation. - This occurs when the steam function does not operate normally. - This error does not occur in existing drum products. Check whether the product is a steam model	
Water Leakage Error	LE		- Heater engagement fault (out of place) - The air hose is out of place and water leakage occurs during the spin cycle. - The tub back at the safety bolts fixing part is broken. - Water leakage occurs at the front with foaming because of too much detergent - Water leakage occurs because the connecting hose to the detergent drawer is connected incorrectly. - The drain pump filter cover is engaged incorrectly. - Water leakage occurs at the drain hose. - The duct condensing holding screws are worn. - The nozzle-diaphragm is engaged in the opposite direction or the rubber packaging is omitted. - Water leakage occurs because the screws that hold the tub back and front in place are fastened incorrectly. - The leakage sensor is faulty.	

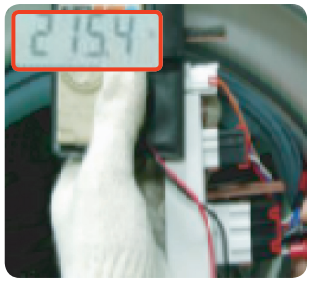
Error Type	For USA		Causes	Remarks
	LED	LCD		
Overflow Error	OE		- Water is supplied continually because the water level detection does not work. - Because the drain hose is clogged and there is an injection error (at a narrow section), the water level detection does not work and water is supplied continually. - Water is supplied continually because of freezing or because there is foreign material in the water supply valve. - This error may occur when the water level sensor is degraded.	This error occurs because the water level sensor terminal is out of place.
Temperature Sensor Error	tE		- The washing heater in the tub has an error. (Contact error, temperature sensor fault) - The connector is connected incorrectly or is disconnected. - If the water level sensor operates without water because the water is frozen or for any other reason and the temperature sensor engaged at the bottom to prevent overheating for the washing heater detects a temperature of 100 to 150 ˚C, the washing machine turns the input power off.	Heater sensor fault : When the connector is connected incorrectly or has a wire disconnected or contact error
Unbalance Error	dc		- As laundry causes this error, check the laundry. - Find the reason for the unbalance and solve it as directed in the user manual.	
Foaming Detected	SUdS		- This occurs when too much foaming is detected. It is also displayed while foaming is removed. When the removal is finished, the normal cycle proceeds. “Sud” or “SUdS” is displayed when too much foaming is detected and “End” is displayed when the removal of the foaming is finished. (This is one of the normal operations. It is an error for preventing non-sensing faults.)	
Mems PBA Error Detected	E8	-	- Error detected in the Mems PBA or data error detected. Check the wire connections. Replace if necessary. 1. Check the wire connections. 2. Replace the Mems PBA. 3. Main PBA wire connection error or PBA’s silver nano part malfunction. Replace if necessary.	

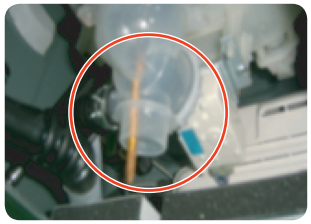
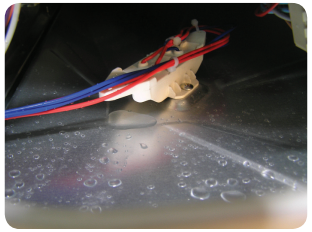
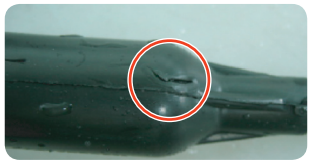
► These are common□

Error Type	Error Mode		Causes	Corrective Actions	Description of Photo
	LED	LCD			
Water Level Sensor	LE	Error! Water Level Sensor Problem	• Water level sensor fault • Incorrect connections of the water level sensor terminal • The hose part for the water level sensor is folded. • Main PCB fault	• Check the water level sensor terminal connections and contacts. • An error occurs if an incorrect water level sensor is used. Make sure to check the material code. (Abnormal operation) • If the water level sensor is faulty, replace it. • If the error persists despite taking the action above, replace the PBA.	 Check the water level sensor frequency. - Check it after the water level sensor and the connector are connected. - Frequency: Approx. 26.4 KHz with no load
Washing Motor Error and Hall Sensor Error	3E E3 bE	Error! The motor is not working properly.	• Washing motor fault • Washing motor hall sensor fault • Incorrect connections of the washing motor/hall sensor connector • Washing motor rotor and stator fault • Main PCB fault	• Check the motor connector terminal connections and contacts. • 3E is displayed because overloading occurs due to too much laundry. • If the hall sensor terminal is faulty, replace the hall sensor. • Check whether the stator of the motor cover is damaged. • Check for coil disconnections due to foreign material. • If the PBA control circuit is faulty, replace the PBA.	 ► DD MOTOR Check the resistance on the main PCB motor. (Between pins 1 and 3, and 1 and 4 of the four (4) pins) - Resistance: Approx. 2 to 4 MΩ - Check the voltage when the power is on.
					 ► UNIVERSAL MOTOR Check the Resistance of Nos.1 and 4 of the wire pin on the side of the TACHO SENSOR. - Resistance: Approximately 40 to 45 Ω (Normal)
					 ► THREE PHASE MOTOR Measure the Resistance of Nos. 2 and 3 of the wire pin on the side of the HALL SENSOR. - The revolution of the drum needs to be reproduced. (Turn the drum by hand.) - Resistance: Approximately 3 to 12V (Voltages may differ depending on the speed of the revolutions.)

Error Type	Error Mode		Causes	Corrective Actions	Description of Photo
	LED	LCD			
Water Supply Error	nF	Error! Low Water Pressure	• Water supply value fault • Main PCB fault • Freezing in the winter season	• If the water supply valve has a wire disconnected, replace it. • Check whether the water supply valve is clogged with foreign material and whether water is supplied continually. • Check whether no water is supplied because of freezing in the winter season. • If the PBA relay operates abnormally, replace the PBA.	  1. Check the resistance for the water supply valve. - Resistance: 4.0 to 5.0 Ω between the terminals of the water supply valve. 2. Check whether there is foreign material in the water supply valve diaphragm.
Drain Error	nd	Error! No Draining	• Drain pump fault • Freezing in the winter season • Foreign materials in the drain pump • Main PCB fault	• Check whether the revolutions of the drain pump motor are restrained by foreign material. • Check the same thing for the natural drain process. • Check the wire connectors on Main PCB and Drain Pump ASSY. The connector or wire may have poor physical connection. • If the drain pump operates abnormally intermittently when the temperature of the water in the tub is high. • If the motor revolutions are restrained due to freezing in the winter season, check the method to remove the freezing and remove as directed.	 ► DRAIN MOTOR Resistance: Approximately 6.3 Ω between the Terminals for the Water Supply Valve ► DRAIN PUMP Resistance: Approximately 174 Ω between the Terminals for the Water Supply Valve

Error Type	Error Mode		Causes	Corrective Actions	Description of Photo
	LED	LCD			
Communication Error	-	Error! Electronic Control Problem	• The signals between the sub and main PBAs are not sensed. • Incorrect wire connections between the sub and main PBAs.	• Check the wire connections and terminal contacts between the sub and main PBAs. • Check for disconnected wires. • Check whether the sub PBA is short-circuited because of moisture. • If the main PBA's communication circuit is faulty, replace it.	-
Switch Error (Main Relay Error)	E2 Sr	Error! A button is either stuck or is being pressed continuously.	• The Power button is continually pressed. • A button other than the Power button is continually pressed. • Main PCB relay fault	• Check whether either the Power switch or a tact switch is continually pressed. • Check whether the service PBA holding screws are fastened too tight. If they are fastened too tight, loosen them a little. • If the main PBA switching IC on/off error has occurred, replace the main PBA. • The "E2" error occurs if the main relay connections are incorrect. Check the connections. If there is no error in the connections, replace the main PBA.	  Check the contact between the control panel buttons and their corresponding tact switch. - There must be a gap between a control panel button and its corresponding micro switch. Otherwise, an error occurs after approx. 30 seconds has passed.

Error Type	Error Mode		Causes	Corrective Actions	Description of Photo
	LED	LCD			
Door Error	dS	Error! Door is open.	• Door switch fault • Drain pump fault • Dry duct fan motor fault. • Main PCB fault	• If a dS error occurs, check whether it occurs during the Boil cycle. - If it is detected that the door is open, close the door. • The 220V is directly connected to the door. Check and repair the power wire connections and insulation state. • Check the door switch. Replace if faulty. • Check the main PBA door sensing circuit. Replace if faulty.	 ► TYPE 1 Check the door switch voltage. Check the voltage after the power is on. (That is, check the door switch when the power button is turned on and no operating key is pressed.)
	dL	Error! The door was unlocked while the washer was running.			
	LO	Error! The door will not unlock.			 ► TYPE 2 The resistance of Nos. 3 and 5 of the DOOR LOCK SWITCH must be approximately 949 Ω.
	FL	Error! The washer door would not lock.			
Heater Error	Hr	Error! Water Temperature Control Problem	• Heater fault • A fault of the red temperature sensor at the center of the dry heater • Steam function fault • Freezing in the winter season	• Check for wires are disconnected in the washing heater. Replace if faulty. - An Hr error occurs. • If the dry heater or air refresh heater overheating sensor is faulty, replace it. - An Hr error occurs. • Check the steam heater. Replace if it is faulty. - An Hr error occurs.	-

Error Type	Error Mode		Causes	Corrective Actions	Description of Photo
	LED	LCD			
Water Leakage Error	LE	Error! Water Leakage Problem	• Check for any leakage. • Foreign material in the DV case • Fault of a hose or incorrect part engagement in the product	• Check for any leakage on the base, Hose, Valve and Tub connections and take any required action. • During natural draining, this error occurs because the drain bellows are clogged with foreign material. Remove the foreign material. • Check the drain motor operation. Replace if it does not operate normally.	  ► DRAIN PUMP TYPE (Automatic Drainage) Check whether there is any foreign material in the bellows. Check for any foreign material, such as underwear wires or coins.  ► PUMP TYPE Check for any leakage on the base, Hose, Valve and Tub connections.
Overflow Error	OE	Error! Water Supply Problem	• Water level sensor fault • Freezing in the winter season	• If the water level sensor has a functional error, replace it. • Check the hose. This error occurs if it is torn or has a hole. • This error occurs if water is frozen in the winter season. Use hair dryer to defrost hose. Consider relocating the unit to warmer location.	 Check the hose connected to the water level sensor. Check whether the hose is folded, cut, or damaged.

Error Type	Error Mode		Causes	Corrective Actions	Description of Photo
	LED	LCD			
Temperature Sensor Error	tE	Error! Temperature Sensor Problem	• Washing temperature sensor fault • Dry temperature sensor fault • Faulty and incorrect connections of the dry condensing sensor • Main PCB fault • Freezing in the winter season	• Check the connections for the washing heater temperature sensor connector. • If the washing heater temperature sensor has a functional error, replace it. - A tE error occurs. • Check the connections for the dry heater temperature sensor connector. • If the dry heater temperature sensor has a functional error, replace it. • Check the connections for the duct condensing temperature sensor connector. • If the duct condensing temperature sensor has a functional error, replace it.	-
Unbalance Error	dc	Error! Unbalanced Load	• Motor hall sensor fault • Caused by the laundry contents	• Check the type of laundry. Check whether they may cause an unbalanced situat ion. - Educate the consumer in this case is to press pause reposition the load or remove a few items. Press start to continue and complete the wash cycle.	-

MEMO

5. EXPLODED VIEWS AND PARTS LIST

[MATERIAL CODE STANDARDS]

Material codes and names and their respective naming rules are managed in accordance with the prescribed standards.
Please refer to these standards when requesting a material.

1. Material Code Type

● : Number
■ : Letter (Alphabet)

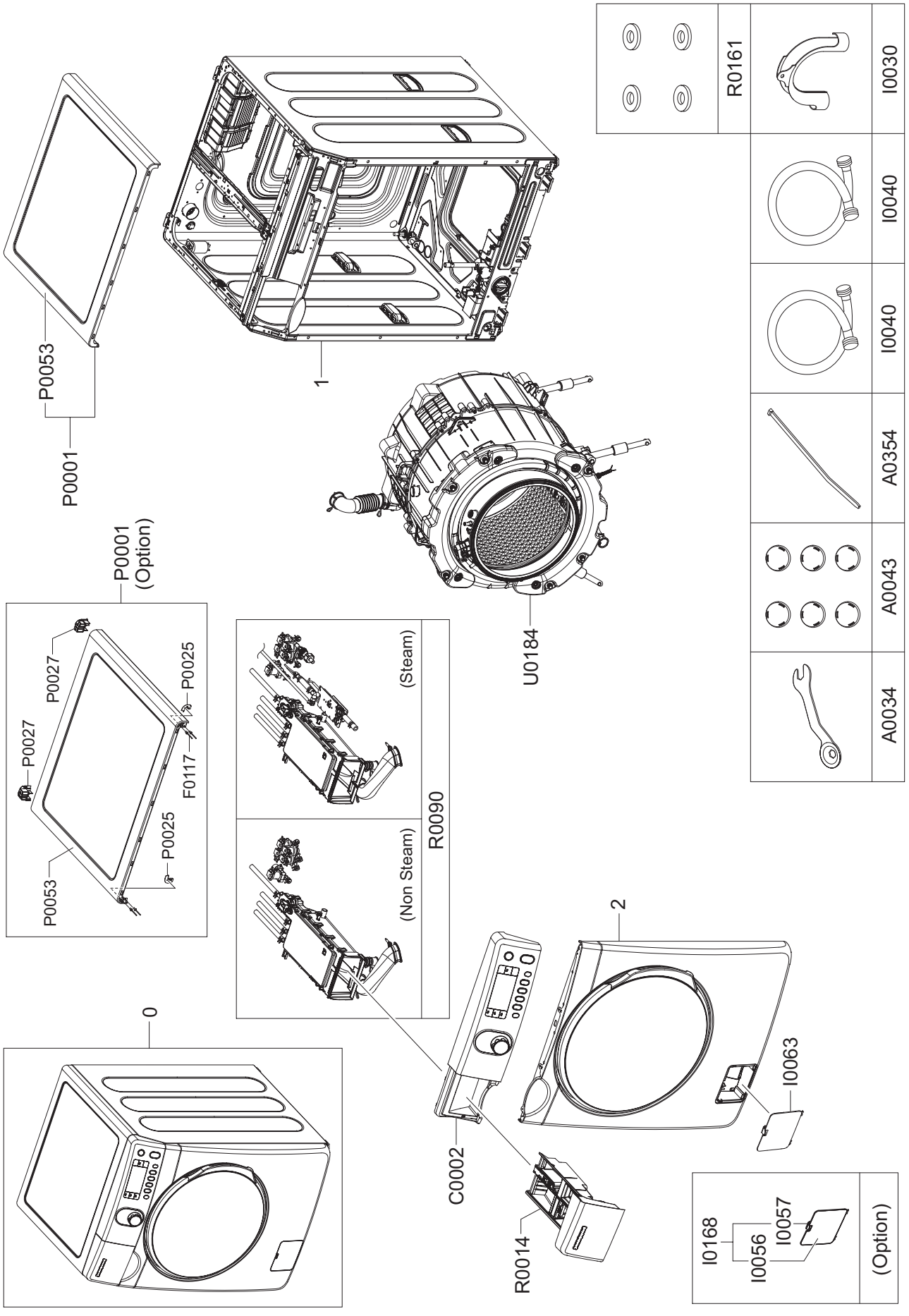
Type 1	●●●●-●●●●●● ex) 0204-000418 FREON	**Enterprise-wide parts** Type 1 materials can be used for all Samsung Electronics products. (Most electrical parts belong to this type.)
Type 2	■■●●-●●●●●■ ex) DC96-01390A ASSY-CONTROL	**Division-wide parts (DC**-Washing machine)** Type 2 materials can be used for specific products. (Most instruments and tools belong to this type.)

2. Ass'y Materials

All ass'y material codes start with DC9*.

An ass'y material is created by combining more than two materials. If a requested material cannot be provided, you can request an ass'y material that contains that material.

5-1. MAIN


P0053
P0001
1
P0001
(Option)
P0027
P0027
P0025
F0117
P0025
P0053
U0184
(Steam)
(Non Steam)
R0090
0
2
C0002
R0014
I0063
I0168
I0056
I0057
(Option)
R0161
I0030
I0040
I0040
A0354
A0043
A0034

MODEL CODE: WF448AAW/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
A0034	DC60-40146A	BOLT-SPANER	-,CR,-,T2.5,OD36,-,-,-,-	1	PC	SA
A0043	DC67-00307A	CAP-FIXER	WF438AAC/XAA,PP,T1.5,#33,-,WHT	6	PC	SA
A0354	6501-000121	CABLE TIE	DA-368,T1.9,W7.5,L368,NTR,NYLO	1	PC	SA
C0002	DC97-14533C	ASSY PANEL CONTROL	PURPLE-PJT,WF448AAW,-	1	PC	SNA
I0030	DC62-10278A	HOSE-HANGER	-,PP(JS20),-,-,-,-,NTR,-	1	PC	SNA
I0040	DC62-00075A	HOSE-WATER(H)	-,NBR+NYLON,ID10.2,OD16.5,	1	PC	SA
I0040	DC62-00075B	HOSE-WATER(C)	-,NBR+NYLON,ID10.2,OD16.5,	1	PC	SC
I0063	DC63-00878A	COVER-FILTER	WF438AAC/XAA,ABS,T2.5,W148.	1	PC	SA
P0001	DC97-14840A	ASSY COVER TOP	WF448AAG,PURPLE-PJT,-,-,-	1	PC	SA
P0053	DC63-00877A	COVER-TOP	WF448AAW/XAA,EGI,T0.8,W684,L57	1	PC	SA
R0014	DC97-14530A	ASSY DRAWER	WF438AAC,PURPLE-PJT,-,-,-,-	1	PC	SA
R0090	DC97-14522A	ASSY HOUSING DRAWER	WF438AAC,MAIN/PRE/HO	1	PC	SA
R0161	DC62-40178A	SEAL-WATER	-,NR,BLK,-,-,-,ID12XOD25XT3	4	PC	SA
U0184	DC97-14538A	ASSY TUB&DRUM	WF448AAG,PURPLE	1	PC	SNA
5.1-0	WF448AAW_XAC	SET		1		
5.1-1		FRAME & COVER PARTS	Refer to 5.2 FRAME & COVER PARTS	1		
5.1-2		ASSY-FRAME FRONT & DOOR	Refer to 5.4 FRAME FRONT & DOOR	1		

MODEL CODE: WF448AAP/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
A0034	DC60-40146A	BOLT-SPANER	-,CR,-,T2.5,OD36,-,-,-,-	1	PC	SA
A0043	DC67-00307A	CAP-FIXER	WF438AAC/XAA,PP,T1.5,#33,-,WHT	6	PC	SA
A0354	6501-000121	CABLE TIE	DA-368,T1.9,W7.5,L368,NTR,NYLO	1	PC	SA
C0002	DC97-14533D	ASSY PANEL CONTROL	PURPLE,WF448AAP/XAC,-	1	PC	SNA
F0117	6041-001035	RIVET-RH	K1661-0512,AL(A5052),OD3.9,L11	4	PC	SNA
I0030	DC62-10278A	HOSE-HANGER	-,PP(JS20),-,-,-,-,NTR,-	1	PC	SNA
I0040	DC62-00075A	HOSE-WATER(H)	-,NBR+NYLON,ID10.2,OD16.5,	1	PC	SA
I0040	DC62-00075B	HOSE-WATER(C)	-,NBR+NYLON,ID10.2,OD16.5,	1	PC	SC
I0056	DC63-00945A	COVER-FILTER(F)	WF448AAW,VCM(EGI),T0.8,W	1	PC	SA
I0057	DC63-00943A	COVER-FILTER(B)	WF448AAG,ABS,T2.5,W151.2	1	PC	SA
I0168	DC97-15330A	ASSY COVER FILTER	WF448AAP,PURPLE PJT(IN	1	PC	SA
P0001	DC97-15136A	ASSY COVER TOP	DV448AEP,COVER-TOP/CAP,-,	1	PC	SA
P0025	DC61-02185A	BRACKET-COVER TOP	PURPLE-INOX,GI,T0.8,-,	1	PC	SNA
P0025	DC61-02186A	BRACKET-COVER TOP	PURPLE-INOX,GI,T0.8,-,	1	PC	SNA
P0027	DC67-00333A	CAP-COVER TOP	DV448AEP,ABS,-,-,-,Platinu	1	PC	SNA
P0027	DC67-00348A	CAP-COVER TOP	DV448AEP,ABS,-,-,-,GRY,PUR	1	PC	SNA
P0053	DC63-00926A	COVER-TOP	DV448AEP,VCM(EGI),T0.8,W684,L5	1	PC	SNA
R0014	DC97-14530B	ASSY DRAWER	PURPLE,WF448AAP,P/SILVER,-,-	1	PC	SA
R0090	DC97-14522A	ASSY HOUSING DRAWER	WF438AAC,MAIN/PRE/HO	1	PC	SA
R0161	DC62-40178A	SEAL-WATER	-,NR,BLK,-,-,-,ID12XOD25XT3	4	PC	SA
U0184	DC97-14538A	ASSY TUB&DRUM	WF448AAG,PURPLE	1	PC	SNA
5.1-0	WF448AAP_XAC	SET		1		
5.1-1		FRAME & COVER PARTS	Refer to 5.2 FRAME & COVER PARTS	1		
5.1-2		ASSY-FRAME FRONT & DOOR	Refer to 5.4 FRAME FRONT & DOOR	1		

MODEL CODE: WF428AAL/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
A0034	DC60-40146A	BOLT-SPANER	-,CR,-,T2.5,OD36,-,-,-,-	1	PC	SA
A0043	DC67-00307A	CAP-FIXER	WF438AAC/XAA,PP,T1.5,#33,-,WHT	6	PC	SA
A0354	6501-000121	CABLE TIE	DA-368,T1.9,W7.5,L368,NTR,NYLO	1	PC	SNA
C0002	DC97-14533K	ASSY PANEL CONTROL	PURPLE-JUNIOR,WF428AA	1	PC	SNA
I0030	DC62-10278A	HOSE-HANGER	-,PP,-,-,-,-,NTR,JS20 RESIN	1	PC	SNA
I0040	DC62-00075A	HOSE-WATER(H)	-,NBR+NYLON,ID10.2,OD16.5,	1	PC	SA
I0040	DC62-00075B	HOSE-WATER(C)	-,NBR+NYLON,ID10.2,OD16.5,	1	PC	SC
I0063	DC63-00878C	COVER-FILTER	WF428AAL,ABS,T2.5,-,-,-,-,O	1	PC	SA
P0001	DC97-14840F	ASSY COVER TOP	PURPLE-JUNIOR,WF428AAL/XA	1	PC	SA
P0053	DC63-00877C	COVER-TOP	WF428AAL/XAC,EGI,T0.8,W684,L57	1	PC	SA
R0014	DC97-14530E	ASSY DRAWER	PURPLE-JUNIOR,WF428AAL/XAC,O	1	PC	SA
R0090	DC97-14522B	ASSY HOUSING DRAWER	WF438AAW/XAA,PURPLE-	1	PC	SA
R0161	DC62-40178A	SEAL-WATER	-,NR,BLK,-,-,-,ID12XOD25XT3	4	PC	SA
U0184	DC97-14538A	ASSY TUB&DRUM	WF448AAG,PURPLE	1	PC	SNA
5.1-0	WF428AAL_XAC	SET		1		
5.1-1		FRAME & COVER PARTS	Refer to 5.2 FRAME & COVER PARTS	1		
5.1-2		ASSY-FRAME FRONT & DOOR	Refer to 5.4 FRAME FRONT & DOOR	1		

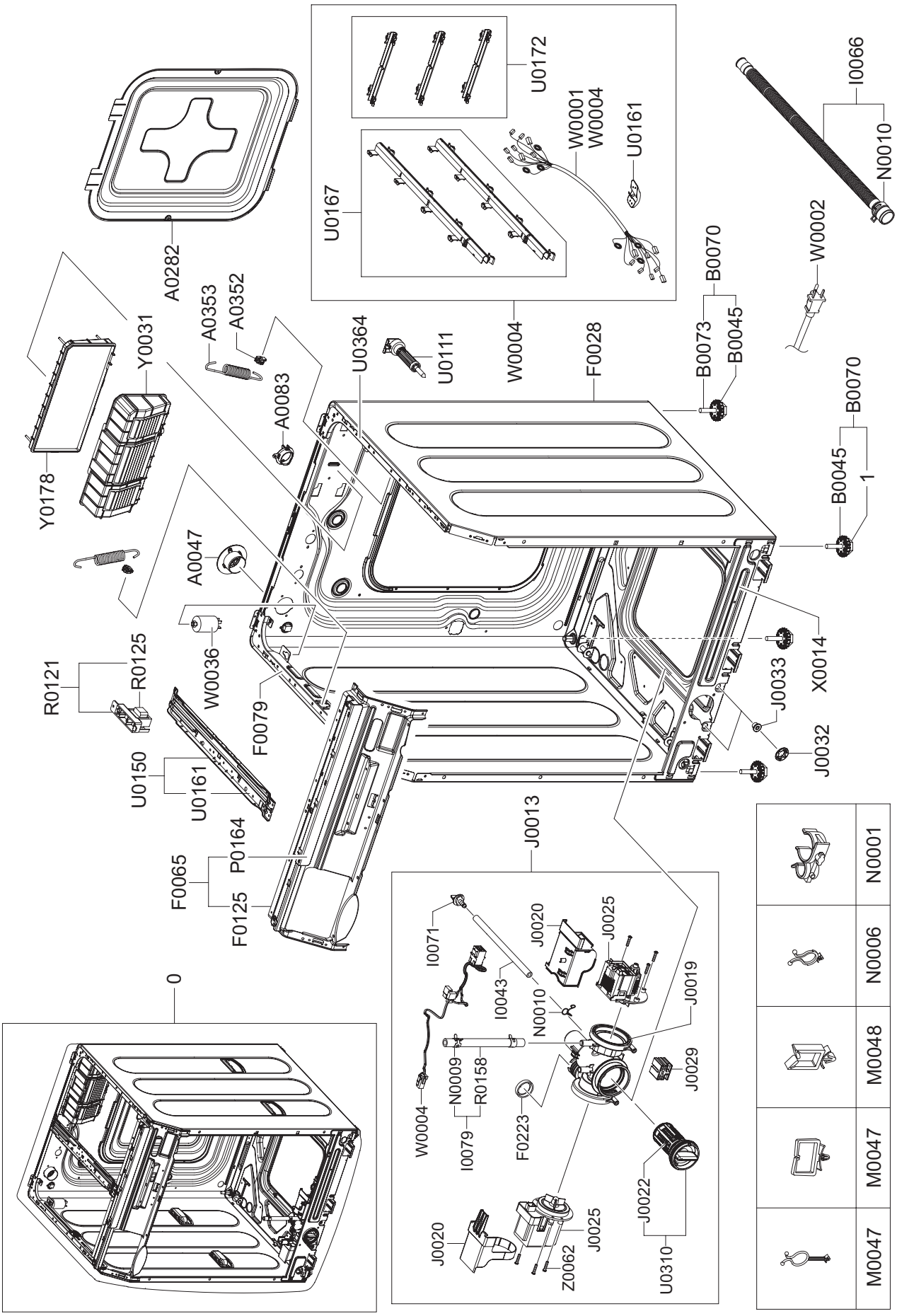
MODEL CODE: WF428AAW/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
A0034	DC60-40146A	BOLT-SPANER	-,CR,-,T2.5,OD36,-,-,-,-	1	PC	SA
A0043	DC67-00307A	CAP-FIXER	WF438AAC/XAA,PP,T1.5,#33,-,WHT	6	PC	SA
A0354	6501-000121	CABLE TIE	DA-368,T1.9,W7.5,L368,NTR,NYLO	1	PC	SNA
C0002	DC97-14533J	ASSY PANEL CONTROL	PURPLE-JUNIOR,WF428AA	1	PC	SNA
I0030	DC62-10278A	HOSE-HANGER	-,PP,-,-,-,-,NTR,JS20 RESIN	1	PC	SNA
I0040	DC62-00075A	HOSE-WATER(H)	-,NBR+NYLON,ID10.2,OD16.5,	1	PC	SA
I0040	DC62-00075B	HOSE-WATER(C)	-,NBR+NYLON,ID10.2,OD16.5,	1	PC	SC
I0063	DC63-00878A	COVER-FILTER	WF438AAC/XAA,ABS,T2.5,W148.	1	PC	SA
P0001	DC97-14840C	ASSY COVER TOP	PURPLE,WF448AAW/XAC,PCM(E	1	PC	SA
P0053	DC63-00877A	COVER-TOP	WF448AAW/XAA,EGI,T0.8,W684,L57	1	PC	SA
R0014	DC97-14530A	ASSY DRAWER	WF438AAC,PURPLE-PJT,-,-,-,-	1	PC	SA
R0090	DC97-14522B	ASSY HOUSING DRAWER	WF438AAW/XAA,PURPLE-	1	PC	SA
R0161	DC62-40178A	SEAL-WATER	-,NR,BLK,-,-,-,ID12XOD25XT3	4	PC	SA
U0184	DC97-14538A	ASSY TUB&DRUM	WF448AAG,PURPLE	1	PC	SNA
5.1-0	WF428AAW_XAC	SET		1		
5.1-1		FRAME & COVER PARTS	Refer to 5.2 FRAME & COVER PARTS	1		
5.1-2		ASSY-FRAME FRONT & DOOR	Refer to 5.4 FRAME FRONT & DOOR	1		

MEMO

5-2. FRAME & COVER PARTS



MODEL CODE: WF448AAW/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
A0047	DC67-00316A	CAP-O.F	WF448AAG,PP,T2.0,-,-,-,OVER FL	1	PC	SNA
A0083	DC61-00274A	GUIDE-HOSE	P/PV/M,PP,-,-,-,WHT,FRAME/DRA	1	PC	SA
A0282	DC63-00522A	COVER-BACK	GW-PJT,GI,T0.35,W426,L507,-,-	1	PC	SA
A0352	DC61-02065A	GUIDE-SPRING	WF448AAG/XXA,POM,T4,W24,L25	2	PC	SA
A0353	DC61-01257E	SPRING ETC-HANGER	WF448AAG,SWP,CD4.5,ID2	2	PC	SA
B0045	DC61-01652A	LEG-RING	K4-PJT,Nylon66+GF30,NON,SIL,L1	1	PC	SNA
B0045	DC61-01652A	LEG-RING	K4-PJT,Nylon66+GF30,NON,SIL,L1	1	PC	SNA
B0070	DC97-12560A	ASSY LEG	WF206LNW,MARS-PJT,-,-,-,-	2	PC	SA
B0070	DC97-14293A	ASSY LEG	SEW-HVR149ATA,HYBRAR-RUBBER,-,	2	PC	SA
B0073	DC61-01747A	LEG-RUBBER	MARS,BUTYL+SWRCH10A,-,GRY+YEL	1	PC	SNA
F0028	DC97-14487A	ASSY FRAME	-,WF438AAC/XAA,-,-,-,WHT	1	PC	SA
F0065	DC97-14843A	ASSY FRAME PLATE(U)	PURPLE-PJT,WF448AAG,	1	PC	SA
F0079	DC61-01999A	BRACKET-SPRING(L)	WF438AAC/XAA,SBHG1-A,T	1	PC	SNA
F0125	DC61-02012A	FRAME-PLATE(U)	WF448AAC,GI,-,-,-,T1.6,W6	1	PC	SA
F0223	DC62-00202A	VALVE-CHECK	WINGS,EPDM,PO30,1~10BAR,BLK,	1	PC	SA
I0043	DC67-00244C	HOSE-DRAIN	WF448AAW,EPDM,ID6,OD11,T2.5,L	1	PC	SA
I0066	DC97-12534D	ASSY HOSE DRAIN(I)	-,WF448AAW,BLOW-SPIRA	1	PC	SA
I0071	DC61-10673A	CAP-DRAIN	SWF-P12,PP(TB53),-,-,-,WHT,-,	1	PC	SNA
I0079	DC97-12985B	ASSY HOSE PUMP	PURPLE-PJT,-,EPDM/CLIP,-,	1	PC	SA
J0013	DC96-01585A	ASSY PUMP DRAIN	WF448AAG,CIRCULATION/9FT	1	PC	SNA
J0019	DC61-02017A	CASE-PUMP	WF448AAG,PP,T3,W122,L140,-,CIR	1	PC	SA
J0020	DC63-00830A	COVER-PUMP	COVER-PUMP,PP,T1.3,W60.5,L75,	1	PC	SNA
J0020	DC63-00884A	COVER-PUMP	COVER-PUMP,PP,T2.5,W60,L114.2	1	PC	SNA
J0022	DC63-00909A	FILTER-PUMP	FILTER-PUMP,PP,T1.8,W53,L75,	1	PC	SNA
J0025	DC31-00054A	PUMP-DRAIN	-,120V,60Hz,40mm,80W/3600RPM	1	PC	SA
J0025	DC31-30008F	PUMP-DRAIN	SW-70XP,120V,60Hz,SYNCHRONOUS	1	PC	SC
J0029	DC63-00888A	CUSHION-PUMP	WF448AAG,EPDM,-,-,-,BLK,Hs5	1	PC	SNA
J0032	DC63-00949A	COVER-CUSHION PUMP	WF448AAG,POM,T1.5,W18	2	PC	SA
J0033	DC61-02066A	BUSH-PUMP	PURPLE_PJT BUSH,SM15C,ID4.5,OD	2	PC	SNA
M0047	DC61-01736B	HOLDER-WIRE	WF337AAW,NYLON66,OD31,H15,L1	2	PC	SNA
M0047	DC61-60074A	HOLDER-WIRE	-,NYLON#66(DAWS-6NB),-,-,-,N	1	PC	SA
M0047	DC61-01736B	HOLDER-WIRE	WF337AAW,NYLON66,OD31,H15,L1	1	PC	SNA
M0047	DC61-60074A	HOLDER-WIRE	-,NYLON#66(DAWS-6NB),-,-,-,N	1	PC	SA
M0048	DC61-00553B	HOLDER-WIRE SADDLE	-,NYLON66,-,-,-,NTR,D	1	PC	SA
N0001	DC61-00133A	CLAMPER HOSE-FIX	P1291,PP,ID24.5,OD29.5,	1	PC	SNA
N0006	DC61-40081A	HOLDER-WIRE	DAWH-2NC,NYLON66,-,-,-,-,NTR	2	PC	SNA
N0006	DC61-40081A	HOLDER-WIRE	DAWH-2NC,NYLON66,-,-,-,-,NTR	2	PC	SNA
N0006	DC61-40081A	HOLDER-WIRE	DAWH-2NC,NYLON66,-,-,-,-,NTR	2	PC	SNA

MODEL CODE: WF448AAW/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
N0009	DC65-00008A	CLAMPER HOSE	SEW-DR605,SK5,-,-,YEL,ID14.	2	PC	SNA
N0010	DD65-00001F	CLAMPER HOSE	SDW-H120,STEEL,-,D10.5/T1.2	1	PC	SNA
N0010	DC61-01679A	CLAMPER HOSE	SEW-HFR177AR,SK5,-,T1.6/ID3	1	PC	SA
P0164	DC61-02008A	GUIDE-PANEL	WF448AAW,PP(FC2305),T2.0,-,-	1	PC	SA
R0121	DC96-01657A	ASSY TRANS REACTORV	PURPLE-PJT,120V/50~6	1	PC	SNA
R0125	DC26-00009H	TRANS-REACTORV	-,PURPLE,-,3mH,110V-120V,	1	PC	SA
R0158	DC67-00051B	HOSE-DRAWER	Q1636GW/XEU,EPDM,ID9.0,OD14.	0.93	M	SA
U0111	DC97-14489A	ASSY FIXER TUB	PURPLE-PJT,WF438AAC/XAA,-	4	PC	SA
U0150	DC97-08632D	ASSY GUIDE WIRE	PURPLE-PJT,WF448AAG,-,-	1	PC	SA
U0161	DC61-01200B	GUIDE-WIRE	WF206LNW,SGCC(GI),T0.8,-,-,-	1	PC	SNA
U0161	DC61-02077A	GUIDE-WIRE	PURPLE,ABS(V0),T2.0,-,-,NTR,-	1	PC	SNA
U0167	DC61-02024A	GUIDE-WIRE(B)	WF448AAG/XAA,PP,T2.5,W19,L	2	PC	SNA
U0172	DC61-02025A	GUIDE-WIRE(A)	WF448AAG/XAA,PP(TB53),T2.5	3	PC	SNA
U0310	DC97-14976A	ASSY FILTER	PURPLE-PJT,ASSY-FILTER,-,-	1	PC	SA
U0364	DC61-01998A	BRACKET-SPRING(R)	WF438AAC/XAA,SBHG1-A,T	1	PC	SNA
W0001	DC96-01687A	ASSY WIRE HARNESS	PURPLE WASHER,-,-,4.3C	1	PC	SNA
W0002	DC96-00757A	ASSY POWER CORD	GW,-,UL/CSA,3/16AWG	1	PC	SA
W0004	DC96-01493B	ASSY M. WIRE HARNESS	PURPLE -PJT,-,-,SUB	1	PC	SA
W0004	DC96-01517A	ASSY M. WIRE HARNESS	PURPLE,-,-,4.3Cu.ft	1	PC	SA
W0036	DC29-00013B	FILTER-EMI	-,-,250V,12,-,50/60Hz,CAN,-,-	1	PC	SNA
X0014	DC61-02002A	PLATE-BOTTOM	WF438AAC/XAA,SBHG1-A,T1.4,W	1	PC	SNA
Y0031	DC97-15268A	ASSY COVER PCB(M)	WF448AAG,PURPLE-PJT,-,	1	PC	SNA
Y0178	DC92-00133A	ASSY PCB MAIN	PURPLE WASHER MAIN P,WF448	1	PC	SA
5.2-0		FRAME & COVER PARTS		1		
5.2-1	DC97-14294A	ASSY LEG BOLT	SEW-HVR149ATA,HYBRAR-RUBBE	1	PC	SNA

MODEL CODE: WF448AAP/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
A0047	DC67-00316A	CAP-O.F	WF448AAG,PP,T2.0,-,-,-,OVER FL	1	PC	SNA
A0083	DC61-00274A	GUIDE-HOSE	P/PV/M,PP,-,-,-,WHT,FRAME/DRA	1	PC	SA
A0282	DC63-00522A	COVER-BACK	GW-PJT,GI,T0.35,W426,L507,-,-	1	PC	SA
A0352	DC61-02065A	GUIDE-SPRING	WF448AAG/XXA,POM,T4,W24,L25	2	PC	SA
A0353	DC61-01257E	SPRING ETC-HANGER	WF448AAG,SWP,CD4.5,ID2	2	PC	SA
B0045	DC61-01652A	LEG-RING	K4-PJT,Nylon66+GF30,NON,SIL,L1	1	PC	SNA
B0045	DC61-01652A	LEG-RING	K4-PJT,Nylon66+GF30,NON,SIL,L1	1	PC	SNA
B0070	DC97-12560A	ASSY LEG	WF206LNW,MARS-PJT,-,-,-,-	2	PC	SA
B0070	DC97-14293A	ASSY LEG	SEW-HVR149ATA,HYBRAR-RUBBER,-,	2	PC	SA
B0073	DC61-01747A	LEG-RUBBER	MARS,BUTYL+SWRCH10A,-,GRY+YEL	1	PC	SNA
F0028	DC97-14487B	ASSY FRAME	WF448AAP,PURPLE PJT,-,-,-,INO	1	PC	SA
F0065	DC97-14843A	ASSY FRAME PLATE(U)	PURPLE-PJT,WF448AAG,	1	PC	SA
F0079	DC61-01999A	BRACKET-SPRING(L)	WF438AAC/XAA,SBHG1-A,T	1	PC	SNA
F0125	DC61-02012A	FRAME-PLATE(U)	WF448AAC,GI,-,-,-,T1.6,W6	1	PC	SA
F0223	DC62-00202A	VALVE-CHECK	WINGS,EPDM,PO30,1~10BAR,BLK,	1	PC	SA
I0043	DC67-00244C	HOSE-DRAIN	WF448AAW,EPDM,ID6,OD11,T2.5,L	1	PC	SA
I0066	DC97-12534D	ASSY HOSE DRAIN(I)	-,WF448AAW,BLOW-SPIRA	1	PC	SA
I0071	DC61-10673A	CAP-DRAIN	SWF-P12,PP(TB53),-,-,-,WHT,-,	1	PC	SNA
I0079	DC97-12985B	ASSY HOSE PUMP	PURPLE-PJT,-,EPDM/CLIP,-,	1	PC	SA
J0013	DC96-01585A	ASSY PUMP DRAIN	WF448AAG,CIRCULATION/9FT	1	PC	SNA
J0019	DC61-02017A	CASE-PUMP	WF448AAG,PP,T3,W122,L140,-,CIR	1	PC	SA
J0020	DC63-00830A	COVER-PUMP	COVER-PUMP,PP,T1.3,W60.5,L75,	1	PC	SNA
J0020	DC63-00884A	COVER-PUMP	COVER-PUMP,PP,T2.5,W60,L114.2	1	PC	SNA
J0022	DC63-00909A	FILTER-PUMP	FILTER-PUMP,PP,T1.8,W53,L75,	1	PC	SNA
J0025	DC31-00054A	PUMP-DRAIN	-,120V,60Hz,40mm,80W/3600RPM	1	PC	SA
J0025	DC31-30008F	PUMP-DRAIN	SW-70XP,120V,60Hz,SYNCHRONOUS	1	PC	SC
J0029	DC63-00888A	CUSHION-PUMP	WF448AAG,EPDM,-,-,-,BLK,Hs5	1	PC	SNA
J0032	DC63-00949A	COVER-CUSHION PUMP	WF448AAG,POM,T1.5,W18	2	PC	SA
J0033	DC61-02066A	BUSH-PUMP	PURPLE_PJT BUSH,SM15C,ID4.5,OD	2	PC	SNA
M0047	DC61-01736B	HOLDER-WIRE	WF337AAW,NYLON66,OD31,H15,L1	2	PC	SNA
M0047	DC61-60074A	HOLDER-WIRE	-,NYLON#66(DAWS-6NB),-,-,-,N	1	PC	SA
M0047	DC61-01736B	HOLDER-WIRE	WF337AAW,NYLON66,OD31,H15,L1	1	PC	SNA
M0047	DC61-60074A	HOLDER-WIRE	-,NYLON#66(DAWS-6NB),-,-,-,N	1	PC	SA
M0048	DC61-00553B	HOLDER-WIRE SADDLE	-,NYLON66,-,-,-,NTR,D	1	PC	SA
N0001	DC61-00133A	CLAMPER HOSE-FIX	P1291,PP,ID24.5,OD29.5,	1	PC	SNA
N0006	DC61-40081A	HOLDER-WIRE	DAWH-2NC,NYLON66,-,-,-,-,NTR	2	PC	SNA
N0006	DC61-40081A	HOLDER-WIRE	DAWH-2NC,NYLON66,-,-,-,-,NTR	2	PC	SNA
N0006	DC61-40081A	HOLDER-WIRE	DAWH-2NC,NYLON66,-,-,-,-,NTR	2	PC	SNA

MODEL CODE: WF448AAP/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
N0009	DC65-00008A	CLAMPER HOSE	SEW-DR605,SK5,-,-,YEL,ID14.	2	PC	SNA
N0010	DD65-00001F	CLAMPER HOSE	SDW-H120,STEEL,-,D10.5/T1.2	1	PC	SNA
N0010	DC61-01679A	CLAMPER HOSE	SEW-HFR177AR,SK5,-,T1.6/ID3	1	PC	SA
P0164	DC61-02008A	GUIDE-PANEL	WF448AAW,PP(FC2305),T2.0,-,-	1	PC	SA
R0121	DC96-01657A	ASSY TRANS REACTORV	PURPLE-PJT,120V/50~6	1	PC	SNA
R0125	DC26-00009H	TRANS-REACTORV	-,PURPLE,-,3mH,110V-120V,	1	PC	SA
R0158	DC67-00051B	HOSE-DRAWER	Q1636GW/XEU,EPDM,ID9.0,OD14.	0.93	M	SA
U0111	DC97-14489A	ASSY FIXER TUB	PURPLE-PJT,WF438AAC/XAA,-	4	PC	SA
U0150	DC97-08632D	ASSY GUIDE WIRE	PURPLE-PJT,WF448AAG,-,-	1	PC	SA
U0161	DC61-01200B	GUIDE-WIRE	WF206LNW,SGCC(GI),T0.8,-,-,-	1	PC	SNA
U0161	DC61-02077A	GUIDE-WIRE	PURPLE,ABS(V0),T2.0,-,-,NTR,-	1	PC	SNA
U0167	DC61-02024A	GUIDE-WIRE(B)	WF448AAG/XAA,PP,T2.5,W19,L	2	PC	SNA
U0172	DC61-02025A	GUIDE-WIRE(A)	WF448AAG/XAA,PP(TB53),T2.5	3	PC	SNA
U0310	DC97-14976A	ASSY FILTER	PURPLE-PJT,ASSY-FILTER,-,-	1	PC	SA
U0364	DC61-01998A	BRACKET-SPRING(R)	WF438AAC/XAA,SBHG1-A,T	1	PC	SNA
W0001	DC96-01687A	ASSY WIRE HARNESS	PURPLE WASHER,-,-,4.3C	1	PC	SNA
W0002	DC96-00757A	ASSY POWER CORD	GW,-,UL/CSA,3/16AWG	1	PC	SA
W0004	DC96-01493B	ASSY M. WIRE HARNESS	PURPLE -PJT,-,-,SUB	1	PC	SA
W0004	DC96-01517A	ASSY M. WIRE HARNESS	PURPLE,-,-,4.3Cu.ft	1	PC	SA
W0036	DC29-00013B	FILTER-EMI	-,-,250V,12,-,50/60Hz,CAN,-,-	1	PC	SNA
X0014	DC61-02002A	PLATE-BOTTOM	WF438AAC/XAA,SBHG1-A,T1.4,W	1	PC	SNA
Y0031	DC97-15268A	ASSY COVER PCB(M)	WF448AAG,PURPLE-PJT,-,	1	PC	SNA
Y0178	DC92-00133A	ASSY PCB MAIN	PURPLE WASHER MAIN P,WF448	1	PC	SA
5.2-0		FRAME & COVER PARTS		1		
5.2-1	DC97-14294A	ASSY LEG BOLT	SEW-HVR149ATA,HYBRAR-RUBBE	1	PC	SNA

MODEL CODE: WF428AAL/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
A0047	DC67-00316A	CAP-O.F	WF448AAG,PP,T2.0,-,-,-,OVER FL	1	PC	SNA
A0083	DC61-00274A	GUIDE-HOSE	P/PV/M,PP,-,-,-,WHT,FRAME/DRA	1	PC	SA
A0282	DC63-00522A	COVER-BACK	GW-PJT,GI,T0.35,W426,L507,-,-	1	PC	SA
A0352	DC61-02065A	GUIDE-SPRING	WF448AAG/XXA,POM,T4,W24,L25	2	PC	SA
A0353	DC61-01257E	SPRING ETC-HANGER	WF448AAG,SWP,CD4.5,ID2	2	PC	SA
B0045	DC61-01652A	LEG-RING	K4-PJT,Nylon66+GF30,NON,SIL,L1	1	PC	SNA
B0045	DC61-01652A	LEG-RING	K4-PJT,Nylon66+GF30,NON,SIL,L1	1	PC	SNA
B0070	DC97-12560A	ASSY LEG	WF206LNW,MARS-PJT,-,-,-,-	2	PC	SA
B0070	DC97-14293A	ASSY LEG	SEW-HVR149ATA,HYBRAR-RUBBER,-,	2	PC	SA
B0073	DC61-01747A	LEG-RUBBER	MARS,BUTYL+SWRCH10A,-,GRY+YEL	1	PC	SNA
F0028	DC97-14487E	ASSY FRAME	PURPLE-JUNIOR,WF428AAL/XAC,GI	1	PC	SNA
F0065	DC97-14843A	ASSY FRAME PLATE(U)	PURPLE-PJT,WF448AAG,	1	PC	SA
F0079	DC61-01999A	BRACKET-SPRING(L)	WF438AAC/XAA,SBHG1-A,T	1	PC	SNA
F0125	DC61-02012A	FRAME-PLATE(U)	WF448AAC,GI,-,-,-,T1.6,W6	1	PC	SA
F0223	DC62-00202A	VALVE-CHECK	WINGS,EPDM,PO30,1~10BAR,BLK,	1	PC	SA
I0043	DC67-00244C	HOSE-DRAIN	WF448AAW,EPDM,ID6,OD11,T2.5,L	1	PC	SA
I0066	DC97-12534D	ASSY HOSE DRAIN(I)	-,WF448AAW,BLOW-SPIRA	1	PC	SA
I0071	DC61-10673A	CAP-DRAIN	SWF-P12,PP(TB53),-,-,-,WHT,-,	1	PC	SNA
I0079	DC97-12985B	ASSY HOSE PUMP	PURPLE-PJT,-,EPDM/CLIP,-,	1	PC	SA
J0013	DC96-01585A	ASSY PUMP DRAIN	WF448AAG,CIRCULATION/9FT	1	PC	SNA
J0019	DC61-02017C	CASE-PUMP	WF448AAP,PP,T3,W122,L140,-,NOT	1	PC	SA
J0020	DC63-00830A	COVER-PUMP	COVER-PUMP,PP,T1.3,W60.5,L75,	1	PC	SNA
J0020	DC63-00884A	COVER-PUMP	COVER-PUMP,PP,T2.5,W60,L114.2	1	PC	SNA
J0022	DC63-00909A	FILTER-PUMP	FILTER-PUMP,PP,T1.8,W53,L75,	1	PC	SNA
J0025	DC31-00054A	PUMP-DRAIN	-,120V,60Hz,40mm,80W/3600RPM	1	PC	SA
J0025	DC31-30008F	PUMP-DRAIN	SW-70XP,120V,60Hz,SYNCHRONOUS	1	PC	SC
J0029	DC63-00888A	CUSHION-PUMP	WF448AAG,EPDM,-,-,-,BLK,Hs5	1	PC	SNA
J0032	DC63-00949A	COVER-CUSHION PUMP	WF448AAG,POM,T1.5,W18	2	PC	SA
J0033	DC61-02066A	BUSH-PUMP	PURPLE_PJT BUSH,SM15C,ID4.5,OD	2	PC	SNA
M0047	DC61-01736B	HOLDER-WIRE	WF337AAW,NYLON66,OD31,H15,L1	2	PC	SNA
M0047	DC61-60074A	HOLDER-WIRE	-,NYLON#66(DAWS-6NB),-,-,-,N	1	PC	SA
M0047	DC61-01736B	HOLDER-WIRE	WF337AAW,NYLON66,OD31,H15,L1	1	PC	SNA
M0047	DC61-60074A	HOLDER-WIRE	-,NYLON#66(DAWS-6NB),-,-,-,N	1	PC	SA
M0048	DC61-00553B	HOLDER-WIRE SADDLE	-,NYLON66,-,-,-,NTR,D	1	PC	SA
N0001	DC61-00133A	CLAMPER HOSE-FIX	P1291,PP,ID24.5,OD29.5,	1	PC	SNA
N0006	DC61-40081A	HOLDER-WIRE	DAWH-2NC,NYLON66,-,-,-,-,NTR	2	PC	SNA
N0006	DC61-40081A	HOLDER-WIRE	DAWH-2NC,NYLON66,-,-,-,-,NTR	3	PC	SNA
N0006	DC61-40081A	HOLDER-WIRE	DAWH-2NC,NYLON66,-,-,-,-,NTR	2	PC	SNA

MODEL CODE: WF428AAL/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
N0009	DC65-00008A	CLAMPER HOSE	SEW-DR605,SK5,-,-,YEL,ID14.	2	PC	SNA
N0010	DD65-00001F	CLAMPER HOSE	SDW-H120,STEEL,-,D10.5/T1.2	1	PC	SNA
N0010	DC61-01679A	CLAMPER HOSE	SEW-HFR177AR,SK5,-,T1.6/ID3	1	PC	SA
P0164	DC61-02008A	GUIDE-PANEL	WF448AAW,PP(FC2305),T2.0,-,-	1	PC	SA
R0121	DC96-01657A	ASSY TRANS REACTORV	PURPLE-PJT,120V/50~6	1	PC	SNA
R0125	DC26-00009H	TRANS-REACTORV	-,PURPLE,-,3mH,110V-120V,	1	PC	SA
R0158	DC67-00051B	HOSE-DRAWER	Q1636GW/XEU,EPDM,ID9.0,OD14.	0.93	M	SA
U0111	DC97-14489A	ASSY FIXER TUB	PURPLE-PJT,WF438AAC/XAA,-	4	PC	SA
U0150	DC97-08632E	ASSY GUIDE WIRE	WF438AAW/XAA,PURPLE-JUNI	1	PC	SA
U0161	DC61-01200B	GUIDE-WIRE	WF206LNW,SGCC(GI),T0.8,-,-,-	1	PC	SNA
U0161	DC61-02077A	GUIDE-WIRE	PURPLE,ABS(V0),T2.0,-,-,NTR,-	1	PC	SNA
U0167	DC61-02024A	GUIDE-WIRE(B)	WF448AAG/XAA,PP,T2.5,W19,L	2	PC	SNA
U0172	DC61-02025A	GUIDE-WIRE(A)	WF448AAG/XAA,PP(TB53),T2.5	3	PC	SNA
U0310	DC97-14976A	ASSY FILTER	PURPLE-PJT,ASSY-FILTER,-,-	1	PC	SA
U0364	DC61-01998A	BRACKET-SPRING(R)	WF438AAC/XAA,SBHG1-A,T	1	PC	SNA
W0002	DC96-00757A	ASSY POWER CORD	GW,-,UL/CSA,3/16AWG	1	PC	SA
W0004	DC96-01493B	ASSY M. WIRE HARNESS	PURPLE -PJT,-,-,SUB	1	PC	SA
W0004	DC96-01517C	ASSY M. WIRE HARNESS	PURPLE Jr,WF438AAR	1	PC	SA
W0004	DC96-01687B	ASSY M. WIRE HARNESS	PURPLE Jr,WF438AAR,	1	PC	SA
W0036	DC29-00013B	FILTER-EMI	-,-,250V,12,-,50/60Hz,CAN,-,-	1	PC	SNA
X0014	DC61-02002A	PLATE-BOTTOM	WF438AAC/XAA,SBHG1-A,T1.4,W	1	PC	SNA
Y0031	DC97-15268A	ASSY COVER PCB(M)	WF448AAG,PURPLE-PJT,-,	1	PC	SNA
Y0178	DC92-00133B	ASSY PCB MAIN	PURPLE WASHER MAIN P,PURPL	1	PC	SA
Z0062	6002-000632	SCREW-TAPPING	PH,+,-,2S,M4,L16,ZPC(WHT),	6	PC	SNA
5.2-0		FRAME & COVER PARTS		1		
5.2-1	DC97-14294A	ASSY LEG BOLT	SEW-HVR149ATA,HYBRAR-RUBBE	1	PC	SNA

MODEL CODE: WF428AAW/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
A0047	DC67-00316A	CAP-O.F	WF448AAG,PP,T2.0,-,-,-,OVER FL	1	PC	SNA
A0083	DC61-00274A	GUIDE-HOSE	P/PV/M,PP,-,-,-,WHT,FRAME/DRA	1	PC	SA
A0282	DC63-00522A	COVER-BACK	GW-PJT,GI,T0.35,W426,L507,-,-	1	PC	SA
A0352	DC61-02065A	GUIDE-SPRING	WF448AAG/XXA,POM,T4,W24,L25	2	PC	SA
A0353	DC61-01257E	SPRING ETC-HANGER	WF448AAG,SWP,CD4.5,ID2	2	PC	SA
B0045	DC61-01652A	LEG-RING	K4-PJT,Nylon66+GF30,NON,SIL,L1	1	PC	SNA
B0045	DC61-01652A	LEG-RING	K4-PJT,Nylon66+GF30,NON,SIL,L1	1	PC	SNA
B0070	DC97-12560A	ASSY LEG	WF206LNW,MARS-PJT,-,-,-,-	2	PC	SA
B0070	DC97-14293A	ASSY LEG	SEW-HVR149ATA,HYBRAR-RUBBER,-,	2	PC	SA
B0073	DC61-01747A	LEG-RUBBER	MARS,BUTYL+SWRCH10A,-,GRY+YEL	1	PC	SNA
F0028	DC97-14487A	ASSY FRAME	-,WF438AAC/XAA,-,-,-,WHT	1	PC	SA
F0065	DC97-14843A	ASSY FRAME PLATE(U)	PURPLE-PJT,WF448AAG,	1	PC	SA
F0079	DC61-01999A	BRACKET-SPRING(L)	WF438AAC/XAA,SBHG1-A,T	1	PC	SNA
F0125	DC61-02012A	FRAME-PLATE(U)	WF448AAC,GI,-,-,-,T1.6,W6	1	PC	SA
F0223	DC62-00202A	VALVE-CHECK	WINGS,EPDM,PO30,1~10BAR,BLK,	1	PC	SA
I0043	DC67-00244C	HOSE-DRAIN	WF448AAW,EPDM,ID6,OD11,T2.5,L	1	PC	SA
I0066	DC97-12534D	ASSY HOSE DRAIN(I)	-,WF448AAW,BLOW-SPIRA	1	PC	SA
I0071	DC61-10673A	CAP-DRAIN	SWF-P12,PP(TB53),-,-,-,WHT,-,	1	PC	SNA
I0079	DC97-12985B	ASSY HOSE PUMP	PURPLE-PJT,-,EPDM/CLIP,-,	1	PC	SA
J0013	DC96-01585A	ASSY PUMP DRAIN	WF448AAG,CIRCULATION/9FT	1	PC	SNA
J0019	DC61-02017C	CASE-PUMP	WF448AAP,PP,T3,W122,L140,-,NOT	1	PC	SA
J0020	DC63-00830A	COVER-PUMP	COVER-PUMP,PP,T1.3,W60.5,L75,	1	PC	SNA
J0020	DC63-00884A	COVER-PUMP	COVER-PUMP,PP,T2.5,W60,L114.2	1	PC	SNA
J0022	DC63-00909A	FILTER-PUMP	FILTER-PUMP,PP,T1.8,W53,L75,	1	PC	SNA
J0025	DC31-00054A	PUMP-DRAIN	-,120V,60Hz,40mm,80W/3600RPM	1	PC	SA
J0025	DC31-30008F	PUMP-DRAIN	SW-70XP,120V,60Hz,SYNCHRONOUS	1	PC	SC
J0029	DC63-00888A	CUSHION-PUMP	WF448AAG,EPDM,-,-,-,BLK,Hs5	1	PC	SNA
J0032	DC63-00949A	COVER-CUSHION PUMP	WF448AAG,POM,T1.5,W18	2	PC	SA
J0033	DC61-02066A	BUSH-PUMP	PURPLE_PJT BUSH,SM15C,ID4.5,OD	2	PC	SNA
M0047	DC61-01736B	HOLDER-WIRE	WF337AAW,NYLON66,OD31,H15,L1	2	PC	SNA
M0047	DC61-60074A	HOLDER-WIRE	-,NYLON#66(DAWS-6NB),-,-,-,N	1	PC	SA
M0047	DC61-01736B	HOLDER-WIRE	WF337AAW,NYLON66,OD31,H15,L1	1	PC	SNA
M0047	DC61-60074A	HOLDER-WIRE	-,NYLON#66(DAWS-6NB),-,-,-,N	1	PC	SA
M0048	DC61-00553B	HOLDER-WIRE SADDLE	-,NYLON66,-,-,-,NTR,D	1	PC	SA
N0001	DC61-00133A	CLAMPER HOSE-FIX	P1291,PP,ID24.5,OD29.5,	1	PC	SNA
N0006	DC61-40081A	HOLDER-WIRE	DAWH-2NC,NYLON66,-,-,-,-,NTR	2	PC	SNA
N0006	DC61-40081A	HOLDER-WIRE	DAWH-2NC,NYLON66,-,-,-,-,NTR	3	PC	SNA
N0006	DC61-40081A	HOLDER-WIRE	DAWH-2NC,NYLON66,-,-,-,-,NTR	2	PC	SNA

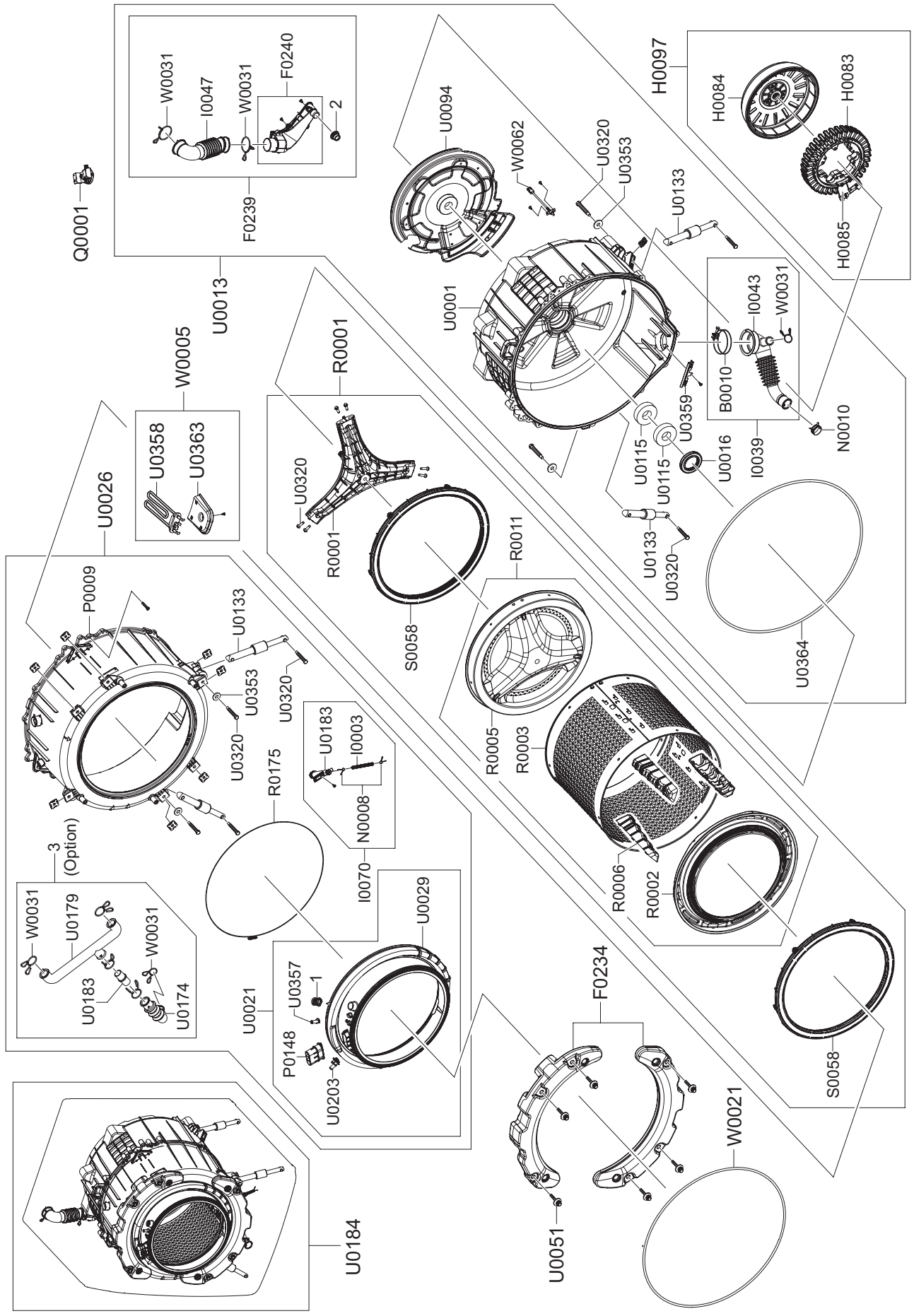
MODEL CODE: WF428AAW/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
N0009	DC65-00008A	CLAMPER HOSE	SEW-DR605,SK5,-,-,YEL,ID14.	2	PC	SNA
N0010	DD65-00001F	CLAMPER HOSE	SDW-H120,STEEL,-,D10.5/T1.2	1	PC	SNA
N0010	DC61-01679A	CLAMPER HOSE	SEW-HFR177AR,SK5,-,T1.6/ID3	1	PC	SA
P0164	DC61-02008A	GUIDE-PANEL	WF448AAW,PP(FC2305),T2.0,-,-	1	PC	SA
R0121	DC96-01657A	ASSY TRANS REACTORV	PURPLE-PJT,120V/50~6	1	PC	SNA
R0125	DC26-00009H	TRANS-REACTORV	-,PURPLE,-,3mH,110V-120V,	1	PC	SA
R0158	DC67-00051B	HOSE-DRAWER	Q1636GW/XEU,EPDM,ID9.0,OD14.	0.93	M	SA
U0111	DC97-14489A	ASSY FIXER TUB	PURPLE-PJT,WF438AAC/XAA,-	4	PC	SA
U0150	DC97-08632E	ASSY GUIDE WIRE	WF438AAW/XAA,PURPLE-JUNI	1	PC	SA
U0161	DC61-01200B	GUIDE-WIRE	WF206LNW,SGCC(GI),T0.8,-,-,-	1	PC	SNA
U0161	DC61-02077A	GUIDE-WIRE	PURPLE,ABS(V0),T2.0,-,-,NTR,-	1	PC	SNA
U0167	DC61-02024A	GUIDE-WIRE(B)	WF448AAG/XAA,PP,T2.5,W19,L	2	PC	SNA
U0172	DC61-02025A	GUIDE-WIRE(A)	WF448AAG/XAA,PP(TB53),T2.5	3	PC	SNA
U0310	DC97-14976A	ASSY FILTER	PURPLE-PJT,ASSY-FILTER,-,-	1	PC	SA
U0364	DC61-01998A	BRACKET-SPRING(R)	WF438AAC/XAA,SBHG1-A,T	1	PC	SNA
W0002	DC96-00757A	ASSY POWER CORD	GW,-,UL/CSA,3/16AWG	1	PC	SA
W0004	DC96-01493B	ASSY M. WIRE HARNESS	PURPLE -PJT,-,-,SUB	1	PC	SA
W0004	DC96-01517C	ASSY M. WIRE HARNESS	PURPLE Jr,WF438AAR	1	PC	SA
W0004	DC96-01687B	ASSY M. WIRE HARNESS	PURPLE Jr,WF438AAR,	1	PC	SA
W0036	DC29-00013B	FILTER-EMI	-,-,250V,12,-,50/60Hz,CAN,-,-	1	PC	SNA
X0014	DC61-02002A	PLATE-BOTTOM	WF438AAC/XAA,SBHG1-A,T1.4,W	1	PC	SNA
Y0031	DC97-15268A	ASSY COVER PCB(M)	WF448AAG,PURPLE-PJT,-,	1	PC	SNA
Y0178	DC92-00133B	ASSY PCB MAIN	PURPLE WASHER MAIN P,PURPL	1	PC	SA
Z0062	6002-000632	SCREW-TAPPING	PH,+,-,2S,M4,L16,ZPC(WHT),	6	PC	SNA
5.2-0		FRAME & COVER PARTS		1		
5.2-1	DC97-14294A	ASSY LEG BOLT	SEW-HVR149ATA,HYBRAR-RUBBE	1	PC	SNA

MEMO

5-3. ASS'Y TUB & DRUM



MODEL CODE: WF448AAW/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
B0010	DC65-00014A	CLAMPER HOSE-JOINT	GW-PJT,HSWR,-,ID82,ZP	1	PC	SA
F0234	DC97-14856A	ASSY WEIGHT BALANCER	WF448AAG,(PP+CONCRE	2	PC	SA
F0239	DC97-14579A	ASSY DUCT VENT	PURPLE,WF448AAG,-,-,-	1	PC	SA
F0240	DC97-14605A	ASSY S.DUCT VENT	PURPLE/SVC,WF448AAG,-,-	1	PC	SA
H0083	DC31-00074C	MOTOR BLDC-ASSY STATOR	DON1500,0~1300,30	1	PC	SNA
H0084	DC31-00075C	MOTOR BLDC-ASSY ROTOR	DON1500,0~1300,-,D	1	PC	SNA
H0085	DC31-00076A	MOTOR BLDC-ASSY HALL SENSOR	DON1300,0~12	1	PC	SA
H0097	DC96-01218D	ASSY DD BLDC MOTOR	DON1500,34mm/Cu Wire/	1	PC	SA
I0003	DC67-00089P	HOSE-WATER	SEW-HBW122T,EPDM,ID5.0,OD9.0,	1	PC	SNA
I0039	DC97-15298A	ASSY HOSE DRAIN	PURPLE,-,-,-,-,-	1	PC	SNA
I0043	DC67-00312A	HOSE-DRAIN	WF438AAG,EPDM,-,-,T2.0,-,BLK,	1	PC	SA
I0047	DC67-00308A	HOSE-O.F	WF448AAG,EPDM,-,-,T2.0,-,-,PUR	1	PC	SA
I0070	DC97-14545A	ASSY HOSE PRESSURE	PURPLE,-,-,-,-,-	1	PC	SA
N0008	DC61-70029C	SPRING-CLIP	SEW-HW125,HSWR67,CD1.2,ID8.5	2	PC	SA
N0010	DC61-00219D	CLAMPER HOSE	SW-50A1S,SK5,-,ID33/OD35,-,	1	PC	SNA
P0009	DC97-14541A	ASSY SEMI TUB FRONT	PURPLE,STEAM,-,-,-,-	1	PC	SA
P0148	DC61-01993A	GUIDE-WATER	PURPLE,PP,T2.5,-,-,-,-	1	PC	SNA
Q0001	DC97-03716C	ASSY SENSOR PRESSURE	SEW-3HW123,-,-,DN-S	1	PC	SA
R0001	DC97-14380A	ASSY DRUM	PURPLE-PJT,WASHER/4.3CUFT,-,-,	1	PC	SNA
R0001	DC97-14421A	ASSY FLANGE SHAFT	PURPLE-PJT,-,-,-,-,-	1	PC	SA
R0002	DC66-00506A	DRUM-FRONT	PURPLE PJT,STS430,-,-,-,-,T0.	1	PC	SNA
R0003	DC66-00505A	DRUM-WRAPPER	PURPLE-PJT,STS430,-,-,-,-,T	1	PC	SNA
R0005	DC66-00507A	DRUM-BACK	PURPLE- PJT,STS430,T0.5,-,-,-,	1	PC	SNA
R0006	DC66-00508A	DRUM-LIFTER	PURPLE- PJT,PP,-,-,-,CP,-	3	PC	SA
R0011	DC97-14575A	ASSY DRUM WRAPPER	PURPLE,-,-,-,-,-	1	PC	SA
R0175	DC97-04981F	ASSY CLAMP DIAPHGRAM	PURPLE,WF448AAW,-,-	1	PC	SA
S0058	DC97-12135A	ASSY BALANCER	ZEUS-PJT,-,-,-,-	2	PC	SA
U0001	DC97-14604A	ASSY S.TUB BACK	WF448AAG,PURPLE/SVC,-,-,	1	PC	SA
U0013	DC97-14540A	ASSY TUB BACK	WF448AAG,PURPLE,-,-,-,-	1	PC	SNA
U0016	DC62-00156A	SEAL-OIL	TS85-PJT,NBR(SD45.5),BLK,-,-,-	1	PC	SA
U0021	DC97-14560A	ASSY DIAPHRAGM	PURPLE,-,-,-,-,-	1	PC	SA
U0026	DC97-14539A	ASSY TUB FRONT	WF448AAG,PURPLE,-,-,-,-	1	PC	SNA
U0029	DC64-01570A	DOOR-DIAPHRAGM	PURPLE,EPDM,-,-,-,-,GRY,-	1	PC	SA
U0051	DC97-02412A	ASSY BOLT	SWF-P12,MOTOR/ M8*L62,-,-,-,-	6	PC	SA
U0094	DC97-14574A	ASSY BRACKET TUB	PURPLE,-,-,-,-,-	1	PC	SA
U0115	6601-001207	BEARING-BALL	6307ZZ,ID35,OD80,L21,STS304	1	PC	SNA
U0115	6601-001208	BEARING-BALL	6306ZZ,ID30,OD72,L19,STS304	1	PC	SNA
U0133	DC66-00470A	DAMPER-SHOCK	FRONTIER II,STEEL+PP+RUBBER	2	PC	SA

MODEL CODE: WF448AAW/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
U0133	DC66-00470A	DAMPER-SHOCK	FRONTIER II,STEEL+PP+RUBBER	2	PC	SA
U0174	DC67-00341A	HOSE-AIR PUMP	PURPLE,EPDM,-,-,T2.0,-,BLK	1	PC	SA
U0179	DC67-00343A	HOSE-AIR TUB	PURPLE,EPDM,-,-,T2.5,-,BLK,	1	PC	SA
U0183	DC67-00319A	HOSE-JOINT AIR	WF448AAG,PP,-,-,T1.8,L165	1	PC	SNA
U0183	DC67-00055A	HOSE-JOINT AIR	TS85-PJT,PP,-,-,-,-,NTR,-	1	PC	SA
U0184	DC97-14538A	ASSY TUB&DRUM	WF448AAG,PURPLE	1	PC	SNA
U0203	DC62-00258A	NOZZLE-DIAPHRAGM	WF448AAG,POM,D10.5,T1.5	1	PC	SNA
U0320	DC60-40137A	BOLT-HEX	MARS-PJT,STS430,M8,-,P1.25,L30	6	PC	SA
U0320	DC60-40141A	BOLT-HEX	SM10C/DAMPER,HEX,M8,L66,-,ZPC2	2	PC	SA
U0320	DC60-40141A	BOLT-HEX	SM10C/DAMPER,HEX,M8,L66,-,ZPC2	2	PC	SA
U0320	6011-001644	BOLT-HEX	M10,L40,ZPC2(YEL),SM10C,DAMPER	4	PC	SA
U0353	DC60-60044A	WASHER-PLAIN	-,ID10.5,OD30,T3,-,STS304	2	PC	SNA
U0353	DC60-60044A	WASHER-PLAIN	-,ID10.5,OD30,T3,-,STS304	2	PC	SNA
U0357	DC62-00240A	NOZZLE-STEAM	SEW-6HR128ATC,FRPP,NOZZLE :	1	PC	SA
U0358	DC47-00006P	HEATER	-,-,SUS 316L,900W,7.5A,120V,15	1	PC	SA
U0359	DC61-01482A	BRACKET-HEATER	GW-PJT,STS430/304,T0.5,W9	1	PC	SNA
U0363	DC63-00820A	COVER-HEATER	WF337AAW,PP(V0),-,-,-,-,-,-	1	PC	SNA
U0364	DC69-00804A	PACKING-TUB	GW-PJT,EPDM-FORM,-,PI8,W624,	1	PC	SA
W0005	DC96-01417B	ASSY HEATER	WF337AAW,COVER+DC47-00006P,-	1	PC	SNA
W0021	DC97-04973B	ASSY WIRE DIAPHRAGM	SEW-HFR167AR,-,-,STS	1	PC	SA
W0031	DC65-60118J	BAND-RING	-,HSWR,-,-,-,WHT,PI2.0/ID23	1	PC	SA
W0031	DC65-60125B	BAND-RING	-,HSWR,T2.4,PI25,-,YEL,-	4	PC	SNA
W0031	DC72-00001A	BAND-RING	DRUM-MODEL,HSWR,-,-,-,YEL,ID65	2	PC	SA
W0031	DC65-60125B	BAND-RING	-,HSWR,T2.4,PI25,-,YEL,-	1	PC	SNA
W0062	DC90-10128H	ASSY THERMISTOR	KS-PJT,RUBBER ADD,-,-	1	PC	SA
5.3-1	DC47-00027A	LAMP-ASSY LAMP	Tub Light,Tub Light,-,300	1	PC	SNA
5.3-2	DC69-01186A	PACKING-DUCT VENT	WF448AAG,EPDM,EPDM,-,-	1	PC	SNA
5.3-3	DC97-15314A	ASSY HOSE-AIR	PURPLE,-,-,-,-,-	1	PC	SNA

MODEL CODE: WF448AAP/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
B0010	DC65-00014A	CLAMPER HOSE-JOINT	GW-PJT,HSWR,-,ID82,ZP	1	PC	SA
F0234	DC97-14856A	ASSY WEIGHT BALANCER	WF448AAG,(PP+CONCRE	2	PC	SA
F0239	DC97-14579A	ASSY DUCT VENT	PURPLE,WF448AAG,-,-,-	1	PC	SA
F0240	DC97-14605A	ASSY S.DUCT VENT	PURPLE/SVC,WF448AAG,-,-	1	PC	SA
H0083	DC31-00074C	MOTOR BLDC-ASSY STATOR	DON1500,0~1300,30	1	PC	SNA
H0084	DC31-00075C	MOTOR BLDC-ASSY ROTOR	DON1500,0~1300,-,D	1	PC	SNA
H0085	DC31-00076A	MOTOR BLDC-ASSY HALL SENSOR	DON1300,0~12	1	PC	SA
H0097	DC96-01218D	ASSY DD BLDC MOTOR	DON1500,34mm/Cu Wire/	1	PC	SA
I0003	DC67-00089P	HOSE-WATER	SEW-HBW122T,EPDM,ID5.0,OD9.0,	1	PC	SNA
I0039	DC97-15298A	ASSY HOSE DRAIN	PURPLE,-,-,-,-,-	1	PC	SNA
I0043	DC67-00312A	HOSE-DRAIN	WF438AAG,EPDM,-,-,T2.0,-,BLK,	1	PC	SA
I0047	DC67-00308A	HOSE-O.F	WF448AAG,EPDM,-,-,T2.0,-,-,PUR	1	PC	SA
I0070	DC97-14545A	ASSY HOSE PRESSURE	PURPLE,-,-,-,-,-	1	PC	SA
N0008	DC61-70029C	SPRING-CLIP	SEW-HW125,HSWR67,CD1.2,ID8.5	2	PC	SA
N0010	DC61-00219D	CLAMPER HOSE	SW-50A1S,SK5,-,ID33/OD35,-,	1	PC	SNA
P0009	DC97-14541A	ASSY SEMI TUB FRONT	PURPLE,STEAM,-,-,-,-	1	PC	SA
P0148	DC61-01993A	GUIDE-WATER	PURPLE,PP,T2.5,-,-,-,-	1	PC	SNA
Q0001	DC97-03716C	ASSY SENSOR PRESSURE	SEW-3HW123,-,-,DN-S	1	PC	SA
R0001	DC97-14380A	ASSY DRUM	PURPLE-PJT,WASHER/4.3CUFT,-,-,	1	PC	SNA
R0001	DC97-14421A	ASSY FLANGE SHAFT	PURPLE-PJT,-,-,-,-,-	1	PC	SA
R0002	DC66-00506A	DRUM-FRONT	PURPLE PJT,STS430,-,-,-,-,T0.	1	PC	SNA
R0003	DC66-00505A	DRUM-WRAPPER	PURPLE-PJT,STS430,-,-,-,-,T	1	PC	SNA
R0005	DC66-00507A	DRUM-BACK	PURPLE- PJT,STS430,T0.5,-,-,-,	1	PC	SNA
R0006	DC66-00508A	DRUM-LIFTER	PURPLE- PJT,PP,-,-,-,CP,-	3	PC	SA
R0011	DC97-14575A	ASSY DRUM WRAPPER	PURPLE,-,-,-,-,-	1	PC	SA
R0175	DC97-04981F	ASSY CLAMP DIAPHGRAM	PURPLE,WF448AAW,-,-	1	PC	SA
S0058	DC97-12135A	ASSY BALANCER	ZEUS-PJT,-,-,-,-	2	PC	SA
U0001	DC97-14604A	ASSY S.TUB BACK	WF448AAG,PURPLE/SVC,-,-,	1	PC	SA
U0013	DC97-14540A	ASSY TUB BACK	WF448AAG,PURPLE,-,-,-,-	1	PC	SNA
U0016	DC62-00156A	SEAL-OIL	TS85-PJT,NBR(SD45.5),BLK,-,-,-	1	PC	SA
U0021	DC97-14560A	ASSY DIAPHRAGM	PURPLE,-,-,-,-,-	1	PC	SA
U0026	DC97-14539A	ASSY TUB FRONT	WF448AAG,PURPLE,-,-,-,-	1	PC	SNA
U0029	DC64-01570A	DOOR-DIAPHRAGM	PURPLE,EPDM,-,-,-,-,GRY,-	1	PC	SA
U0051	DC97-02412A	ASSY BOLT	SWF-P12,MOTOR/ M8*L62,-,-,-,-	6	PC	SA
U0094	DC97-14574A	ASSY BRACKET TUB	PURPLE,-,-,-,-,-	1	PC	SA
U0115	6601-001207	BEARING-BALL	6307ZZ,ID35,OD80,L21,STS304	1	PC	SNA
U0115	6601-001208	BEARING-BALL	6306ZZ,ID30,OD72,L19,STS304	1	PC	SNA
U0133	DC66-00470A	DAMPER-SHOCK	FRONTIER II,STEEL+PP+RUBBER	2	PC	SA

MODEL CODE: WF448AAP/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
U0133	DC66-00470A	DAMPER-SHOCK	FRONTIER II,STEEL+PP+RUBBER	2	PC	SA
U0174	DC67-00341A	HOSE-AIR PUMP	PURPLE,EPDM,-,-,T2.0,-,BLK	1	PC	SA
U0179	DC67-00343A	HOSE-AIR TUB	PURPLE,EPDM,-,-,T2.5,-,BLK,	1	PC	SA
U0183	DC67-00319A	HOSE-JOINT AIR	WF448AAG,PP,-,-,T1.8,L165	1	PC	SNA
U0183	DC67-00055A	HOSE-JOINT AIR	TS85-PJT,PP,-,-,-,-,NTR,-	1	PC	SA
U0184	DC97-14538A	ASSY TUB&DRUM	WF448AAG,PURPLE	1	PC	SNA
U0203	DC62-00258A	NOZZLE-DIAPHRAGM	WF448AAG,POM,D10.5,T1.5	1	PC	SNA
U0320	DC60-40137A	BOLT-HEX	MARS-PJT,STS430,M8,-,P1.25,L30	6	PC	SA
U0320	DC60-40141A	BOLT-HEX	SM10C/DAMPER,HEX,M8,L66,-,ZPC2	2	PC	SA
U0320	DC60-40141A	BOLT-HEX	SM10C/DAMPER,HEX,M8,L66,-,ZPC2	2	PC	SA
U0320	6011-001644	BOLT-HEX	M10,L40,ZPC2(YEL),SM10C,DAMPER	4	PC	SA
U0353	DC60-60044A	WASHER-PLAIN	-,ID10.5,OD30,T3,-,STS304	2	PC	SNA
U0353	DC60-60044A	WASHER-PLAIN	-,ID10.5,OD30,T3,-,STS304	2	PC	SNA
U0357	DC62-00240A	NOZZLE-STEAM	SEW-6HR128ATC,FRPP,NOZZLE :	1	PC	SA
U0358	DC47-00006P	HEATER	-,-,SUS 316L,900W,7.5A,120V,15	1	PC	SA
U0359	DC61-01482A	BRACKET-HEATER	GW-PJT,STS430/304,T0.5,W9	1	PC	SNA
U0363	DC63-00820A	COVER-HEATER	WF337AAW,PP(V0),-,-,-,-,-,-	1	PC	SNA
U0364	DC69-00804A	PACKING-TUB	GW-PJT,EPDM-FORM,-,PI8,W624,	1	PC	SA
W0005	DC96-01417B	ASSY HEATER	WF337AAW,COVER+DC47-00006P,-	1	PC	SNA
W0021	DC97-04973B	ASSY WIRE DIAPHRAGM	SEW-HFR167AR,-,-,STS	1	PC	SA
W0031	DC65-60118J	BAND-RING	-,HSWR,-,-,-,WHT,PI2.0/ID23	1	PC	SA
W0031	DC65-60125B	BAND-RING	-,HSWR,T2.4,PI25,-,YEL,-	4	PC	SNA
W0031	DC72-00001A	BAND-RING	DRUM-MODEL,HSWR,-,-,-,YEL,ID65	2	PC	SA
W0031	DC65-60125B	BAND-RING	-,HSWR,T2.4,PI25,-,YEL,-	1	PC	SNA
W0062	DC90-10128H	ASSY THERMISTOR	KS-PJT,RUBBER ADD,-,-	1	PC	SA
5.3-1	DC47-00027A	LAMP-ASSY LAMP	Tub Light,Tub Light,-,300	1	PC	SNA
5.3-2	DC69-01186A	PACKING-DUCT VENT	WF448AAG,EPDM,EPDM,-,-	1	PC	SNA
5.3-3	DC97-15314A	ASSY HOSE-AIR	PURPLE,-,-,-,-,-	1	PC	SNA

MODEL CODE: WF428AAL/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
B0010	DC65-00014A	CLAMPER HOSE-JOINT	GW-PJT,HSWR,-,ID82,ZP	1	PC	SA
F0234	DC97-14856A	ASSY WEIGHT BALANCER	WF448AAG,(PP+CONCRE	2	PC	SA
F0239	DC97-14579A	ASSY DUCT VENT	PURPLE,WF448AAG,-,-,-	1	PC	SA
F0240	DC97-14605A	ASSY S.DUCT VENT	PURPLE/SVC,WF448AAG,-,-	1	PC	SA
H0083	DC31-00074C	MOTOR BLDC-ASSY STATOR	DON1500,0~1300,30	1	PC	SNA
H0084	DC31-00075C	MOTOR BLDC-ASSY ROTOR	DON1500,0~1300,-,D	1	PC	SNA
H0085	DC31-00076A	MOTOR BLDC-ASSY HALL SENSOR	DON1300,0~12	1	PC	SA
H0097	DC96-01218D	ASSY DD BLDC MOTOR	DON1500,34mm/Cu Wire/	1	PC	SA
I0003	DC67-00089P	HOSE-WATER	SEW-HBW122T,TPE,ID5.0,OD9.0,T	1	PC	SNA
I0039	DC97-15298A	ASSY HOSE DRAIN	PURPLE,-,-,-,-,-	1	PC	SNA
I0043	DC67-00312A	HOSE-DRAIN	WF438AAG,EPDM,-,-,T2.0,-,BLK,	1	PC	SA
I0047	DC67-00308A	HOSE-O.F	WF448AAG,EPDM,-,-,T2.0,-,-,PUR	1	PC	SA
I0070	DC97-14545A	ASSY HOSE PRESSURE	PURPLE,-,-,-,-,-	1	PC	SA
N0008	DC61-70029C	SPRING-CLIP	SEW-HW125,HSWR67,CD1.2,ID8.5	2	PC	SA
N0010	DC61-00219D	CLAMPER HOSE	SW-50A1S,SK5,-,ID33/OD35,-,	1	PC	SNA
P0009	DC97-14541B	ASSY SEMI TUB FRONT	PURPLE,WF448AAP,-,-	1	PC	SA
P0148	DC61-01993A	GUIDE-WATER	PURPLE,PP,T2.5,-,-,-,-	1	PC	SNA
Q0001	DC97-03716C	ASSY SENSOR PRESSURE	SEW-3HW123,-,-,DN-S	1	PC	SA
R0001	DC97-14380A	ASSY DRUM	PURPLE-PJT,WASHER/4.3CUFT,-,-	1	PC	SNA
R0001	DC97-14421A	ASSY FLANGE SHAFT	PURPLE-PJT,-,-,-,-,-	1	PC	SA
R0002	DC66-00506A	DRUM-FRONT	PURPLE PJT,STS430,-,-,-,-,T0.	1	PC	SNA
R0003	DC66-00505A	DRUM-WRAPPER	PURPLE-PJT,STS430,-,-,-,-,T	1	PC	SNA
R0005	DC66-00507A	DRUM-BACK	PURPLE- PJT,STS430,T0.5,-,-,-,	1	PC	SNA
R0006	DC66-00508A	DRUM-LIFTER	PURPLE- PJT,PP,-,-,-,CP,-	3	PC	SA
R0011	DC97-14575A	ASSY DRUM WRAPPER	PURPLE,-,-,-,-,-	1	PC	SA
R0175	DC97-04981F	ASSY CLAMP DIAPHGRAM	PURPLE,WF448AAW,-,-	1	PC	SA
S0058	DC97-12135A	ASSY BALANCER	ZEUS-PJT,-,-,-,-	2	PC	SA
U0001	DC97-14604A	ASSY S.TUB BACK	WF448AAG,PURPLE/SVC,-,-,	1	PC	SA
U0013	DC97-14540A	ASSY TUB BACK	WF448AAG,PURPLE,-,-,-,-	1	PC	SNA
U0016	DC62-00156A	SEAL-OIL	TS85-PJT,NBR(SD45.5),BLK,-,-,-	1	PC	SA
U0021	DC97-14560A	ASSY DIAPHRAGM	PURPLE,-,-,-,-,-	1	PC	SA
U0026	DC97-14539A	ASSY TUB FRONT	WF448AAG,PURPLE,-,-,-,-	1	PC	SNA
U0029	DC64-01570A	DOOR-DIAPHRAGM	PURPLE,EPDM,-,-,-,-,GRY,-	1	PC	SA
U0051	DC97-02412A	ASSY BOLT	SWF-P12,MOTOR/ M8*L62,-,-,-,-	6	PC	SA
U0094	DC97-14574A	ASSY BRACKET TUB	PURPLE,-,-,-,-,-	1	PC	SA
U0115	6601-001207	BEARING-BALL	6307ZZ,ID35,OD80,L21,STS304	1	PC	SNA
U0115	6601-001208	BEARING-BALL	6306ZZ,ID30,OD72,L19,STS304	1	PC	SNA
U0133	DC66-00470A	DAMPER-SHOCK	FRONTIER II,STEEL+PP+RUBBER	2	PC	SA

MODEL CODE: WF428AAL/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
U0133	DC66-00470A	DAMPER-SHOCK	FRONTIER II,STEEL+PP+RUBBER	2	PC	SA
U0183	DC67-00319A	HOSE-JOINT AIR	WF448AAG,PP,-,-,T1.8,L165	1	PC	SNA
U0184	DC97-14538A	ASSY TUB&DRUM	WF448AAG,PURPLE	1	PC	SNA
U0203	DC62-00258A	NOZZLE-DIAPHRAGM	WF448AAG,POM,D10.5,T1.5	1	PC	SNA
U0320	DC60-40137A	BOLT-HEX	MARS-PJT,STS430,M8,-,P1.25,L30	6	PC	SA
U0320	DC60-40141A	BOLT-HEX	SM10C/DAMPER,HEX,M8,L66,-,ZPC2	2	PC	SA
U0320	DC60-40141A	BOLT-HEX	SM10C/DAMPER,HEX,M8,L66,-,ZPC2	2	PC	SA
U0320	6011-001644	BOLT-HEX	M10,L40,ZPC2(YEL),SM10C,DAMPER	4	PC	SA
U0353	DC60-60044A	WASHER-PLAIN	-,ID10.5,OD30,T3,-,STS304	2	PC	SNA
U0353	DC60-60044A	WASHER-PLAIN	-,ID10.5,OD30,T3,-,STS304	2	PC	SNA
U0357	DC62-00240A	NOZZLE-STEAM	SEW-6HR128ATC,FRPP,NOZZLE :	1	PC	SA
U0358	DC47-00006P	HEATER	-,-,SUS 316L,900W,7.5A,120V,15	1	PC	SA
U0359	DC61-01482A	BRACKET-HEATER	GW-PJT,STS430/304,T0.5,W9	1	PC	SNA
U0363	DC63-00820A	COVER-HEATER	WF337AAW,PP(V0),-,-,-,-,-,-	1	PC	SNA
U0364	DC69-00804A	PACKING-TUB	GW-PJT,EPDM-FORM,-,PI8,W624,	1	PC	SA
W0005	DC96-01417B	ASSY HEATER	WF337AAW,COVER+DC47-00006P,-	1	PC	SNA
W0021	DC97-04973B	ASSY WIRE DIAPHRAGM	SEW-HFR167AR,-,-,STS	1	PC	SA
W0031	DC72-00001A	BAND-RING	DRUM-MODEL,HSWR,-,-,-,YEL,ID65	2	PC	SA
W0031	DC65-60125B	BAND-RING	-,HSWR,T2.4,PI25,-,YEL,-	1	PC	SNA
W0062	DC90-10128H	ASSY THERMISTOR	KS-PJT,RUBBER ADD,-,-	1	PC	SA
5.3-1	DC47-00027A	LAMP-ASSY LAMP	Tub Light,Tub Light,-,300	1	PC	SNA
5.3-2	DC69-01186A	PACKING-DUCT VENT	WF448AAG,EPDM,EPDM,-,-	1	PC	SNA

MODEL CODE: WF428AAW/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
B0010	DC65-00014A	CLAMPER HOSE-JOINT	GW-PJT,HSWR,-,ID82,ZP	1	PC	SA
F0234	DC97-14856A	ASSY WEIGHT BALANCER	WF448AAG,(PP+CONCRE	2	PC	SA
F0239	DC97-14579A	ASSY DUCT VENT	PURPLE,WF448AAG,-,-,-	1	PC	SA
F0240	DC97-14605A	ASSY S.DUCT VENT	PURPLE/SVC,WF448AAG,-,-	1	PC	SA
H0083	DC31-00074C	MOTOR BLDC-ASSY STATOR	DON1500,0~1300,30	1	PC	SNA
H0084	DC31-00075C	MOTOR BLDC-ASSY ROTOR	DON1500,0~1300,-,D	1	PC	SNA
H0085	DC31-00076A	MOTOR BLDC-ASSY HALL SENSOR	DON1300,0~12	1	PC	SA
H0097	DC96-01218D	ASSY DD BLDC MOTOR	DON1500,34mm/Cu Wire/	1	PC	SA
I0003	DC67-00089P	HOSE-WATER	SEW-HBW122T,TPE,ID5.0,OD9.0,T	1	PC	SNA
I0039	DC97-15298A	ASSY HOSE DRAIN	PURPLE,-,-,-,-,-	1	PC	SNA
I0043	DC67-00312A	HOSE-DRAIN	WF438AAG,EPDM,-,-,T2.0,-,BLK,	1	PC	SA
I0047	DC67-00308A	HOSE-O.F	WF448AAG,EPDM,-,-,T2.0,-,-,PUR	1	PC	SA
I0070	DC97-14545A	ASSY HOSE PRESSURE	PURPLE,-,-,-,-,-	1	PC	SA
N0008	DC61-70029C	SPRING-CLIP	SEW-HW125,HSWR67,CD1.2,ID8.5	2	PC	SA
N0010	DC61-00219D	CLAMPER HOSE	SW-50A1S,SK5,-,ID33/OD35,-,	1	PC	SNA
P0009	DC97-14541B	ASSY SEMI TUB FRONT	PURPLE,WF448AAP,-,-	1	PC	SA
P0148	DC61-01993A	GUIDE-WATER	PURPLE,PP,T2.5,-,-,-,-	1	PC	SNA
Q0001	DC97-03716C	ASSY SENSOR PRESSURE	SEW-3HW123,-,-,DN-S	1	PC	SA
R0001	DC97-14380A	ASSY DRUM	PURPLE-PJT,WASHER/4.3CUFT,-,-	1	PC	SNA
R0001	DC97-14421A	ASSY FLANGE SHAFT	PURPLE-PJT,-,-,-,-,-	1	PC	SA
R0002	DC66-00506A	DRUM-FRONT	PURPLE PJT,STS430,-,-,-,-,T0.	1	PC	SNA
R0003	DC66-00505A	DRUM-WRAPPER	PURPLE-PJT,STS430,-,-,-,-,T	1	PC	SNA
R0005	DC66-00507A	DRUM-BACK	PURPLE- PJT,STS430,T0.5,-,-,-,	1	PC	SNA
R0006	DC66-00508A	DRUM-LIFTER	PURPLE- PJT,PP,-,-,-,CP,-	3	PC	SA
R0011	DC97-14575A	ASSY DRUM WRAPPER	PURPLE,-,-,-,-,-	1	PC	SA
R0175	DC97-04981F	ASSY CLAMP DIAPHGRAM	PURPLE,WF448AAW,-,-	1	PC	SA
S0058	DC97-12135A	ASSY BALANCER	ZEUS-PJT,-,-,-,-	2	PC	SA
U0001	DC97-14604A	ASSY S.TUB BACK	WF448AAG,PURPLE/SVC,-,-,	1	PC	SA
U0013	DC97-14540A	ASSY TUB BACK	WF448AAG,PURPLE,-,-,-,-	1	PC	SNA
U0016	DC62-00156A	SEAL-OIL	TS85-PJT,NBR(SD45.5),BLK,-,-,-	1	PC	SA
U0021	DC97-14560A	ASSY DIAPHRAGM	PURPLE,-,-,-,-,-	1	PC	SA
U0026	DC97-14539A	ASSY TUB FRONT	WF448AAG,PURPLE,-,-,-,-	1	PC	SNA
U0029	DC64-01570A	DOOR-DIAPHRAGM	PURPLE,EPDM,-,-,-,-,GRY,-	1	PC	SA
U0051	DC97-02412A	ASSY BOLT	SWF-P12,MOTOR/ M8*L62,-,-,-,-	6	PC	SA
U0094	DC97-14574A	ASSY BRACKET TUB	PURPLE,-,-,-,-,-	1	PC	SA
U0115	6601-001207	BEARING-BALL	6307ZZ,ID35,OD80,L21,STS304	1	PC	SNA
U0115	6601-001208	BEARING-BALL	6306ZZ,ID30,OD72,L19,STS304	1	PC	SNA
U0133	DC66-00470A	DAMPER-SHOCK	FRONTIER II,STEEL+PP+RUBBER	2	PC	SA

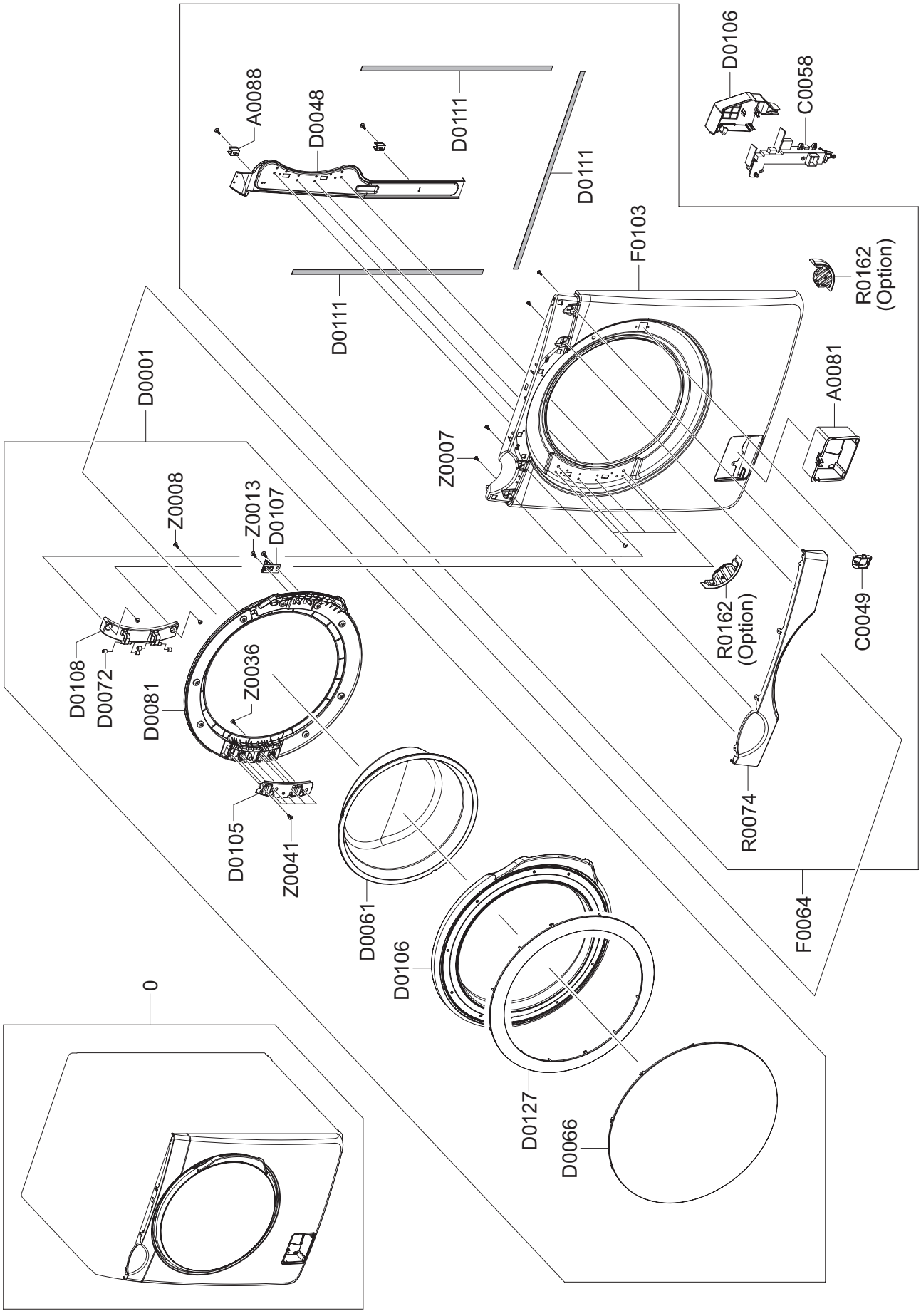
MODEL CODE: WF428AAW/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
U0133	DC66-00470A	DAMPER-SHOCK	FRONTIER II,STEEL+PP+RUBBER	2	PC	SA
U0183	DC67-00319A	HOSE-JOINT AIR	WF448AAG,PP,-,-,T1.8,L165	1	PC	SNA
U0184	DC97-14538A	ASSY TUB&DRUM	WF448AAG,PURPLE	1	PC	SNA
U0203	DC62-00258A	NOZZLE-DIAPHRAGM	WF448AAG,POM,D10.5,T1.5	1	PC	SNA
U0320	DC60-40137A	BOLT-HEX	MARS-PJT,STS430,M8,-,P1.25,L30	6	PC	SA
U0320	DC60-40141A	BOLT-HEX	SM10C/DAMPER,HEX,M8,L66,-,ZPC2	2	PC	SA
U0320	DC60-40141A	BOLT-HEX	SM10C/DAMPER,HEX,M8,L66,-,ZPC2	2	PC	SA
U0320	6011-001644	BOLT-HEX	M10,L40,ZPC2(YEL),SM10C,DAMPER	4	PC	SA
U0353	DC60-60044A	WASHER-PLAIN	-,ID10.5,OD30,T3,-,STS304	2	PC	SNA
U0353	DC60-60044A	WASHER-PLAIN	-,ID10.5,OD30,T3,-,STS304	2	PC	SNA
U0357	DC62-00240A	NOZZLE-STEAM	SEW-6HR128ATC,FRPP,NOZZLE :	1	PC	SA
U0358	DC47-00006P	HEATER	-,-,SUS 316L,900W,7.5A,120V,15	1	PC	SA
U0359	DC61-01482A	BRACKET-HEATER	GW-PJT,STS430/304,T0.5,W9	1	PC	SNA
U0363	DC63-00820A	COVER-HEATER	WF337AAW,PP(V0),-,-,-,-,-,-	1	PC	SNA
U0364	DC69-00804A	PACKING-TUB	GW-PJT,EPDM-FORM,-,PI8,W624,	1	PC	SA
W0005	DC96-01417B	ASSY HEATER	WF337AAW,COVER+DC47-00006P,-	1	PC	SNA
W0021	DC97-04973B	ASSY WIRE DIAPHRAGM	SEW-HFR167AR,-,-,STS	1	PC	SA
W0031	DC72-00001A	BAND-RING	DRUM-MODEL,HSWR,-,-,-,YEL,ID65	2	PC	SA
W0031	DC65-60125B	BAND-RING	-,HSWR,T2.4,PI25,-,YEL,-	1	PC	SNA
W0062	DC90-10128H	ASSY THERMISTOR	KS-PJT,RUBBER ADD,-,-	1	PC	SA
5.3-1	DC47-00027A	LAMP-ASSY LAMP	Tub Light,Tub Light,-,300	1	PC	SNA
5.3-2	DC69-01186A	PACKING-DUCT VENT	WF448AAG,EPDM,EPDM,-,-	1	PC	SNA

MEMO

5-4. ASS'Y FRAME FRONT & DOOR



MODEL CODE: WF448AAW/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
A0081	DC61-02004A	GUIDE-COVER FILTER	WF438AAC/XAA,PP(FC230	1	PC	SNA
A0088	DC61-01081A	HOLDER-HOSE	Q1636,NYLON66,T1.5,-,-,NTR,T	2	PC	SA
C0058	DC64-00519B	DOOR-LOCK S/W	GW-PJT,PP-GF,-,-,-,-,BLK,1	1	PC	SA
D0001	DC97-14445A	ASSY DOOR	PURPLE-PJT,WF448AAW/XAA,-,-,-,	1	PC	SNA
D0048	DC61-01973A	BRACKET-HINGE	PURPLE-PJT,SGCC(GI),T2.0,W	1	PC	SA
D0061	DC64-00504B	DOOR-GLASS	SEW-HW125,SODALIME,-,-,-,-,-,	1	PC	SC
D0066	DC64-01552A	DOOR-SAFETY	PURPLE-PJT,PET,T2.5,-,W514,L	1	PC	SA
D0072	DC61-00891A	GUIDE-HINGE	HAUZEN(DOM),POM,-,-,-,WHT,HI	4	PC	SA
D0081	DC61-01972A	HOLDER-GLASS	PURPLE-PJT,PP(TB53),T2.8,W5	1	PC	SA
D0105	DC61-01576B	SUPPORT-HINGE	PURPLE-PJT,STS430,T1.2,-,-	1	PC	SA
D0106	DC63-00870A	COVER-DOOR	PURPLE-PJT,ABS(GP-35),T2.5,W5	1	PC	SA
D0106	DC63-00693A	COVER-DOOR SWITCH	FRONTIER,PP(V0),-,-,-,	1	PC	SA
D0107	DC66-00375A	LEVER-DOOR	10KG DRUM,ZNDC,2.5MM,-,-,-,NI	1	PC	SC
D0108	DC61-01971A	HINGE-DOOR	PURPLE-PJT,ALDC8,T3.0,W39.5,L	1	PC	SA
D0111	DC72-00034B	SPONGE-EPDM	MAH2400,EPDM,-,T1,W15,L500,W	3	PC	SA
D0127	DC64-01366B	DECORATION-DOOR	DV337AEW,STS430,-,-,-,-,	1	PC	SNA
F0064	DC97-14488B	ASSY FRAME FRONT	PURPLE-PJT,WF448AAW/XAC	1	PC	SA
F0103	DC61-02003A	FRAME-FRONT	WF438AAC/XAA,SECC(EGI),-,-,W	1	PC	SNA
R0074	DC64-01571A	DECORATION-FRONT	WF438AAC/XAA,STS430,T1.	1	PC	SA
Z0007	6002-000239	SCREW-TAPPING	TH,+,-,2S,M4,L8,ZPC(WHT),S	12	PC	SNA
Z0008	6002-000444	SCREW-TAPPING	TH,+,-,2S,M4,L14,PASS,STS4	15	PC	SA
Z0013	6002-001279	SCREW-TAPPING	PWH,+,-,1,M4,L12,PASS,STS3	2	PC	SA
Z0036	6001-001668	SCREW-MACHINE	TH,+,M5,L16,PASS,STS430,FP	1	PC	SA
Z0041	6002-001204	SCREW-TAPPING	TH,+,-,1,M4,L16,PASS,STS43	8	PC	SA
5.4-0		ASSY-FRAME FRONT & DOOR		1		

MODEL CODE: WF448AAP/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
A0081	DC61-02198A	GUIDE-COVER FILTER	WF448AAP,PP(FC2305),T	1	PC	SNA
A0088	DC61-01081A	HOLDER-HOSE	Q1636,NYLON66,T1.5,-,-,NTR,T	2	PC	SA
C0058	DC64-00519B	DOOR-LOCK S/W	GW-PJT,PP-GF,-,-,-,-,BLK,1	1	PC	SA
D0001	DC97-14445A	ASSY DOOR	PURPLE-PJT,WF448AAW/XAA,-,-,-,	1	PC	SNA
D0048	DC61-01973A	BRACKET-HINGE	PURPLE-PJT,SGCC(GI),T2.0,W	1	PC	SA
D0061	DC64-00504B	DOOR-GLASS	SEW-HW125,SODALIME,-,-,-,-,-,	1	PC	SC
D0066	DC64-01552A	DOOR-SAFETY	PURPLE-PJT,PET,T2.5,-,W514,L	1	PC	SA
D0072	DC61-00891A	GUIDE-HINGE	HAUZEN(DOM),POM,-,-,-,WHT,HI	4	PC	SA
D0081	DC61-01972A	HOLDER-GLASS	PURPLE-PJT,PP(TB53),T2.8,W5	1	PC	SA
D0105	DC61-01576B	SUPPORT-HINGE	PURPLE-PJT,STS430,T1.2,-,-	1	PC	SA
D0106	DC63-00870A	COVER-DOOR	PURPLE-PJT,ABS(GP-35),T2.5,W5	1	PC	SA
D0106	DC63-00693A	COVER-DOOR SWITCH	FRONTIER,PP(V0),-,-,-,	1	PC	SA
D0107	DC66-00375A	LEVER-DOOR	10KG DRUM,ZNDC,2.5MM,-,-,-,NI	1	PC	SC
D0108	DC61-01971A	HINGE-DOOR	PURPLE-PJT,ALDC8,T3.0,W39.5,L	1	PC	SA
D0111	DC72-00069A	SPONGE-EPDM	WF448AAP,EPDM,-,T1.0,W30,L20	2	PC	SA
D0127	DC64-01366B	DECORATION-DOOR	DV337AEW,STS430,-,-,-,-,	1	PC	SNA
F0064	DC97-15331B	ASSY FRAME FRONT	PURPLE-PJT,WF448AAP/XAC	1	PC	SA
F0103	DC61-02162A	FRAME-FRONT	WF448AAC/XAA,VCM(EGI),-,-,IN	1	PC	SNA
R0074	DC64-01571B	DECORATION-FRONT	WF448AAW/XAC,EGI,T1.0,W	1	PC	SA
R0162	DC63-00959A	COVER-FRONT	WF448AAP,PP,-,W8.5,L25.5,-,-	2	PC	SA
Z0007	6002-000239	SCREW-TAPPING	TH,+,-,2S,M4,L8,ZPC(WHT),S	12	PC	SNA
Z0008	6002-000444	SCREW-TAPPING	TH,+,-,2S,M4,L14,PASS,STS4	15	PC	SA
Z0013	6002-001279	SCREW-TAPPING	PWH,+,-,1,M4,L12,PASS,STS3	2	PC	SA
Z0036	6001-001668	SCREW-MACHINE	TH,+,M5,L16,PASS,STS430,FP	1	PC	SA
Z0041	6002-001204	SCREW-TAPPING	TH,+,-,1,M4,L16,PASS,STS43	8	PC	SA
5.4-0		ASSY-FRAME FRONT & DOOR		1		

MODEL CODE: WF428AAL/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
A0081	DC61-02004C	GUIDE-COVER FILTER	WF428AAL/XAC,PP,T2.5,	1	PC	SNA
A0088	DC61-01081A	HOLDER-HOSE	Q1636,NYLON66,T1.5,-,-,NTR,T	2	PC	SA
C0049	DC63-00960A	COVER-SWITCH(O)	WF218,POM,T3,-,-,-,-,NAT	1	PC	SA
C0058	DC64-00519B	DOOR-LOCK S/W	GW-PJT,PP-GF,-,-,-,-,BLK,1	1	PC	SA
D0001	DC97-14445A	ASSY DOOR	PURPLE-PJT,WF448AAW/XAA,-,-,-,	1	PC	SNA
D0048	DC61-01973A	BRACKET-HINGE	PURPLE-PJT,SGCC(GI),T2.0,W	1	PC	SA
D0061	DC64-00504B	DOOR-GLASS	SEW-HW125,SODALIME,-,-,-,-,-,	1	PC	SC
D0066	DC64-01552A	DOOR-SAFETY	PURPLE-PJT,PET,T2.5,-,W514,L	1	PC	SA
D0072	DC61-00891A	GUIDE-HINGE	HAUZEN(DOM),POM,-,-,-,WHT,HI	4	PC	SA
D0081	DC61-01972A	HOLDER-GLASS	PURPLE-PJT,PP(TB53),T2.8,W5	1	PC	SA
D0105	DC61-01576A	SUPPORT-HINGE	FRONTIER-PJT,SBHG1-A(SGCC)	1	PC	SA
D0106	DC63-00870A	COVER-DOOR	PURPLE-PJT,ABS(GP-35),T2.5,W5	1	PC	SA
D0106	DC63-00693A	COVER-DOOR SWITCH	FRONTIER,PP(V0),-,-,-	1	PC	SA
D0107	DC66-00375A	LEVER-DOOR	10KG DRUM,ZNDC,2.5MM,-,-,-,NI	1	PC	SC
D0108	DC61-01971A	HINGE-DOOR	PURPLE-PJT,ALDC8,T3.0,W39.5,L	1	PC	SA
D0111	DC72-00034B	SPONGE-EPDM	MAH2400,EPDM,-,T1,W15,L500,W	3	PC	SA
D0127	DC64-01366B	DECORATION-DOOR	DV337AEW,STS430,-,-,-,-,	1	PC	SNA
F0064	DC97-14488E	ASSY FRAME FRONT	WF428AAL/XAC,PURPLE-JUN	1	PC	SA
F0103	DC61-02003C	FRAME-FRONT	WF428AAL/XAC,PCM(EGI),-,-,ON	1	PC	SNA
R0074	DC64-01571C	DECORATION-FRONT	WF438AAR/XAA,STS430,T0.	1	PC	SA
Z0007	6002-000239	SCREW-TAPPING	TH,+,-,2S,M4,L8,ZPC(WHT),S	12	PC	SNA
Z0008	6002-000444	SCREW-TAPPING	TH,+,-,2S,M4,L14,PASS,STS4	15	PC	SA
Z0013	6002-001279	SCREW-TAPPING	PWH,+,-,1,M4,L12,PASS,STS3	2	PC	SA
Z0036	6001-001668	SCREW-MACHINE	TH,+,M5,L16,PASS,STS430,FP	1	PC	SA
Z0041	6002-001204	SCREW-TAPPING	TH,+,-,1,M4,L16,PASS,STS43	8	PC	SA
5.4-0		ASSY-FRAME FRONT & DOOR		1		

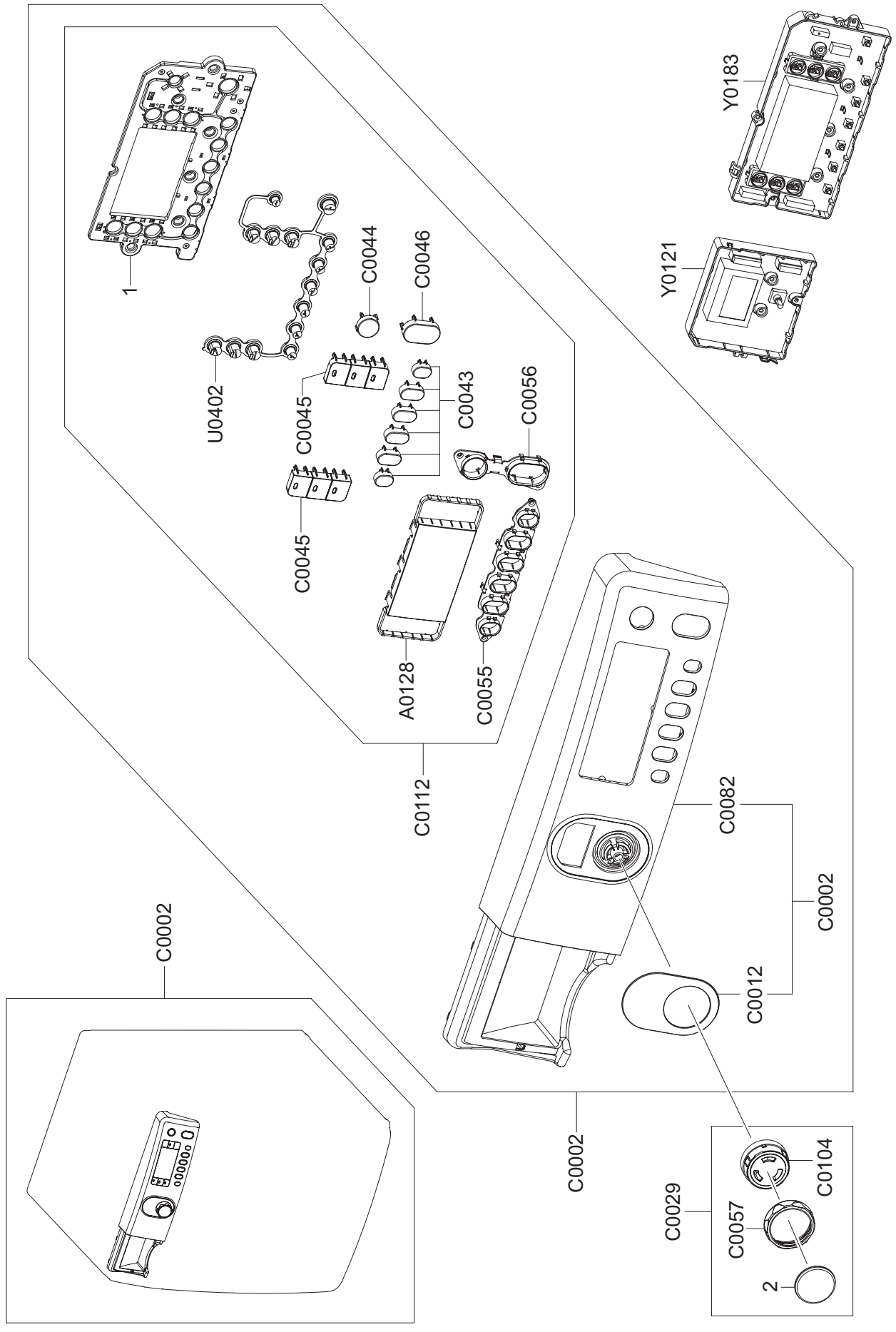
MODEL CODE: WF428AAW/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
A0081	DC61-02004A	GUIDE-COVER FILTER	WF438AAC/XAA,PP(FC230	1	PC	SNA
A0088	DC61-01081A	HOLDER-HOSE	Q1636,NYLON66,T1.5,-,-,NTR,T	2	PC	SA
C0049	DC63-00960A	COVER-SWITCH(O)	WF218,POM,T3,-,-,-,-,NAT	1	PC	SA
C0058	DC64-00519B	DOOR-LOCK S/W	GW-PJT,PP-GF,-,-,-,-,BLK,1	1	PC	SA
D0001	DC97-14445A	ASSY DOOR	PURPLE-PJT,WF448AAW/XAA,-,-,-,	1	PC	SNA
D0048	DC61-01973A	BRACKET-HINGE	PURPLE-PJT,SGCC(GI),T2.0,W	1	PC	SA
D0061	DC64-00504B	DOOR-GLASS	SEW-HW125,SODALIME,-,-,-,-,-,	1	PC	SC
D0066	DC64-01552A	DOOR-SAFETY	PURPLE-PJT,PET,T2.5,-,W514,L	1	PC	SA
D0072	DC61-00891A	GUIDE-HINGE	HAUZEN(DOM),POM,-,-,-,WHT,HI	4	PC	SA
D0081	DC61-01972A	HOLDER-GLASS	PURPLE-PJT,PP(TB53),T2.8,W5	1	PC	SA
D0105	DC61-01576A	SUPPORT-HINGE	FRONTIER-PJT,SBHG1-A(SGCC)	1	PC	SA
D0106	DC63-00870A	COVER-DOOR	PURPLE-PJT,ABS(GP-35),T2.5,W5	1	PC	SA
D0106	DC63-00693A	COVER-DOOR SWITCH	FRONTIER,PP(V0),-,-,-	1	PC	SA
D0107	DC66-00375A	LEVER-DOOR	10KG DRUM,ZNDC,2.5MM,-,-,-,NI	1	PC	SC
D0108	DC61-01971A	HINGE-DOOR	PURPLE-PJT,ALDC8,T3.0,W39.5,L	1	PC	SA
D0111	DC72-00034B	SPONGE-EPDM	MAH2400,EPDM,-,T1,W15,L500,W	3	PC	SA
D0127	DC64-01366B	DECORATION-DOOR	DV337AEW,STS430,-,-,-,-,	1	PC	SNA
F0064	DC97-14488D	ASSY FRAME FRONT	WF428AAW/XAC,PURPLE-JUN	1	PC	SA
F0103	DC61-02003A	FRAME-FRONT	WF438AAC/XAA,SECC(EGI),-,-,W	1	PC	SNA
R0074	DC64-01571C	DECORATION-FRONT	WF438AAR/XAA,STS430,T0.	1	PC	SA
Z0007	6002-000239	SCREW-TAPPING	TH,+,-,2S,M4,L8,ZPC(WHT),S	12	PC	SNA
Z0008	6002-000444	SCREW-TAPPING	TH,+,-,2S,M4,L14,PASS,STS4	15	PC	SA
Z0013	6002-001279	SCREW-TAPPING	PWH,+,-,1,M4,L12,PASS,STS3	2	PC	SA
Z0036	6001-001668	SCREW-MACHINE	TH,+,M5,L16,PASS,STS430,FP	1	PC	SA
Z0041	6002-001204	SCREW-TAPPING	TH,+,-,1,M4,L16,PASS,STS43	8	PC	SA
5.4-0		ASSY-FRAME FRONT & DOOR		1		

MEMO

5-5. ASS'Y PANEL CONTROL



MODEL CODE: WF448AAW/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
A0128	DC64-01547A	WINDOW-PANEL	WF448AAW,ABS,T1.9,-,-,-,SIL	1	PC	SNA
C0002	DC97-14533C	ASSY PANEL CONTROL	PURPLE-PJT,WF448AAW,-	1	PC	SNA
C0002	DC97-14532C	ASSY S.PANEL CONTROL	PURPLE,WF448AAW,-,N	1	PC	SA
C0002	DC97-15306C	ASSY S.PANEL CONTROL-SVC	PURPLE,WF448AAW	1	PC	SA
C0012	DC64-01548A	WINDOW-DISPLAY	WF448AAW,PC,T1.5,-,-,-,BL	1	PC	SNA
C0029	DC97-14447A	ASSY KNOB ENCODER	WF438AAW,-,-,-,-	1	PC	SA
C0043	DC64-01542A	BUTTON-PUSH(F)	WF448AAW,ABS,-,-,NEAT-WHI	1	PC	SNA
C0044	DC64-01540A	BUTTON-PUSH(P)	WF448AAW/XAA,ABS,-,-,NEAT	1	PC	SNA
C0045	DC64-01577B	BUTTON-PUSH(O)	WF448AAW,ABS,-,-,WHT,RIGH	1	PC	SA
C0045	DC64-01578B	BUTTON-PUSH(O)	WF448AAW,ABS,-,-,WHT,LEFT	1	PC	SA
C0046	DC64-01539A	BUTTON-PUSH(S)	WF448AAW,ABS,-,-,NEAT-WHI	1	PC	SNA
C0055	DC64-01543A	DECORATION-BUTTON(F)	WF448AAW,ABS,-,-,-	1	PC	SNA
C0056	DC64-01541A	DECORATION-BUTTON(P)	WF448AAW,ABS,-,-,-	1	PC	SNA
C0057	DC64-01644A	DECORATION-ENCODER	SEW-HVR149AD,AL,T3.5,	1	PC	SNA
C0082	DC64-01549A	PANEL-CONTROL	WF448AAW/XAA,ABS,-,-,-,-,N	1	PC	SNA
C0104	DC64-01642A	KNOB-ENCODER	SEW-HVR149AD,ABS,T2.0,-,-,N	1	PC	SNA
C0112	DC97-14531C	ASSY BUTTON	PURPLE,WF448AAW,NEAT-WHITE,S	1	PC	SA
U0402	DC64-01576A	BUTTON-RUBBER	WF448AAW,SILICON,-,-,NTR,T	1	PC	SNA
Y0121	DC92-00125A	ASSY PCB LCD	PURPLE LCD WASH SUB,-,-,110	1	PC	SA
Y0183	DC92-00130A	ASSY PCB SUB	Purple Wash Steam Su,-,-,11	1	PC	SA
5.5-1	DC63-00867A	COVER-BUTTON	WF448AAW,ABS,-,-,-,-,-,NTR,	1	PC	SNA
5.5-2	DC64-01643A	DECORATION-ENCODER(I)	SEW-HVR149AD,ABS,T	1	PC	SNA

MODEL CODE: WF448AAP/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
A0128	DC64-01547A	WINDOW-PANEL	WF448AAW,ABS,T1.9,-,-,-,SIL	1	PC	SNA
C0002	DC97-14533D	ASSY PANEL CONTROL	PURPLE,WF448AAP/XAC,-	1	PC	SNA
C0002	DC97-14532D	ASSY S.PANEL CONTROL	PURPLE,WF448AAP/XAC	1	PC	SA
C0002	DC97-15306D	ASSY S.PANEL CONTROL-SVC	PURPLE,WF448AAP	1	PC	SA
C0012	DC64-01548A	WINDOW-DISPLAY	WF448AAW,PC,T1.5,-,-,-,BL	1	PC	SNA
C0029	DC97-14447A	ASSY KNOB ENCODER	WF438AAW,-,-,-,-	1	PC	SA
C0043	DC64-01542D	BUTTON-PUSH(F)	WF448AAP,ABS,-,-,PLATINUM	1	PC	SNA
C0044	DC64-01540B	BUTTON-PUSH(P)	WF448AAP/XAA,ABS,-,-,PLAT	1	PC	SNA
C0045	DC64-01577B	BUTTON-PUSH(O)	WF448AAW,ABS,-,-,WHT,RIGH	1	PC	SA
C0045	DC64-01578B	BUTTON-PUSH(O)	WF448AAW,ABS,-,-,WHT,LEFT	1	PC	SA
C0046	DC64-01539B	BUTTON-PUSH(S)	WF448AAP/XAA,ABS,-,-,PLAT	1	PC	SNA
C0055	DC64-01543A	DECORATION-BUTTON(F)	WF448AAW,ABS,-,-,-	1	PC	SNA
C0056	DC64-01541A	DECORATION-BUTTON(P)	WF448AAW,ABS,-,-,-	1	PC	SNA
C0057	DC64-01644A	DECORATION-ENCODER	SEW-HVR149AD,AL,T3.5,	1	PC	SNA
C0082	DC64-01549B	PANEL-CONTROL	WF448AAP,ABS,-,-,-,-,P/SIL	1	PC	SNA
C0104	DC64-01642A	KNOB-ENCODER	SEW-HVR149AD,ABS,T2.0,-,-,N	1	PC	SNA
C0112	DC97-14531D	ASSY BUTTON	PURPLE,WF448AAP/XAC,PLATINUM	1	PC	SA
U0402	DC64-01576A	BUTTON-RUBBER	WF448AAW,SILICON,-,-,NTR,T	1	PC	SNA
Y0121	DC92-00125A	ASSY PCB LCD	PURPLE LCD WASH SUB,-,-,110	1	PC	SA
Y0183	DC92-00130A	ASSY PCB SUB	Purple Wash Steam Su,-,-,11	1	PC	SA
5.5-1	DC63-00867A	COVER-BUTTON	WF448AAW,ABS,-,-,-,-,-,NTR,	1	PC	SNA
5.5-2	DC64-01643A	DECORATION-ENCODER(I)	SEW-HVR149AD,ABS,T	1	PC	SNA

MODEL CODE: WF428AAL/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
A0128	DC64-01547A	WINDOW-PANEL	WF448AAW,ABS,T1.9,-,-,-,SIL	1	PC	SNA
C0002	DC97-14533K	ASSY PANEL CONTROL	PURPLE-JUNIOR,WF428AA	1	PC	SNA
C0002	DC97-14532J	ASSY S.PANEL CONTROL	PURPLE-JUNIOR-PJT,W	1	PC	SA
C0002	DC97-15306H	ASSY S.PANEL CONTROL-SVC	PURPLE-JUNIOR,W	1	PC	SA
C0012	DC64-01548A	WINDOW-DISPLAY	WF448AAW,PC,T1.5,-,-,-,BL	1	PC	SNA
C0029	DC97-14447A	ASSY KNOB ENCODER	WF438AAW,-,-,-,-	1	PC	SA
C0043	DC64-01542J	BUTTON-PUSH(F)	WF428AAL/XAC,ABS,-,-,ONYX	1	PC	SNA
C0044	DC64-01540E	BUTTON-PUSH(P)	WF428AAL/XAC,ABS,-,-,ONYX	1	PC	SNA
C0045	DC64-01577B	BUTTON-PUSH(O)	WF448AAW,ABS,-,-,WHT,RIGH	1	PC	SA
C0045	DC64-01578B	BUTTON-PUSH(O)	WF448AAW,ABS,-,-,WHT,LEFT	1	PC	SA
C0046	DC64-01539E	BUTTON-PUSH(S)	WF428AAL/XAC,ABS,-,-,ONYX	1	PC	SNA
C0055	DC64-01543A	DECORATION-BUTTON(F)	WF448AAW,ABS,-,-,-	1	PC	SNA
C0056	DC64-01541A	DECORATION-BUTTON(P)	WF448AAW,ABS,-,-,-	1	PC	SNA
C0057	DC64-01644A	DECORATION-ENCODER	SEW-HVR149AD,AL,T3.5,	1	PC	SNA
C0082	DC64-01549E	PANEL-CONTROL	WF428AAL/XAC,ABS,T3.0,-,-	1	PC	SNA
C0104	DC64-01642A	KNOB-ENCODER	SEW-HVR149AD,ABS,T2.0,-,-,N	1	PC	SNA
C0112	DC97-14531G	ASSY BUTTON	WF428AAI/XAC,PURPLE-JUNIOR,O	1	PC	SA
U0402	DC64-01576A	BUTTON-RUBBER	WF448AAW,SILICON,-,-,NTR,T	1	PC	SNA
Y0121	DC92-00125A	ASSY PCB LCD	PURPLE LCD WASH SUB,-,-,110	1	PC	SA
Y0183	DC92-00130B	ASSY PCB SUB	Purple Washer,NON STEAM,110	1	PC	SA
5.5-1	DC63-00867A	COVER-BUTTON	WF448AAW,ABS,-,-,-,-,-,NTR,	1	PC	SNA
5.5-2	DC64-01643A	DECORATION-ENCODER(I)	SEW-HVR149AD,ABS,T	1	PC	SNA

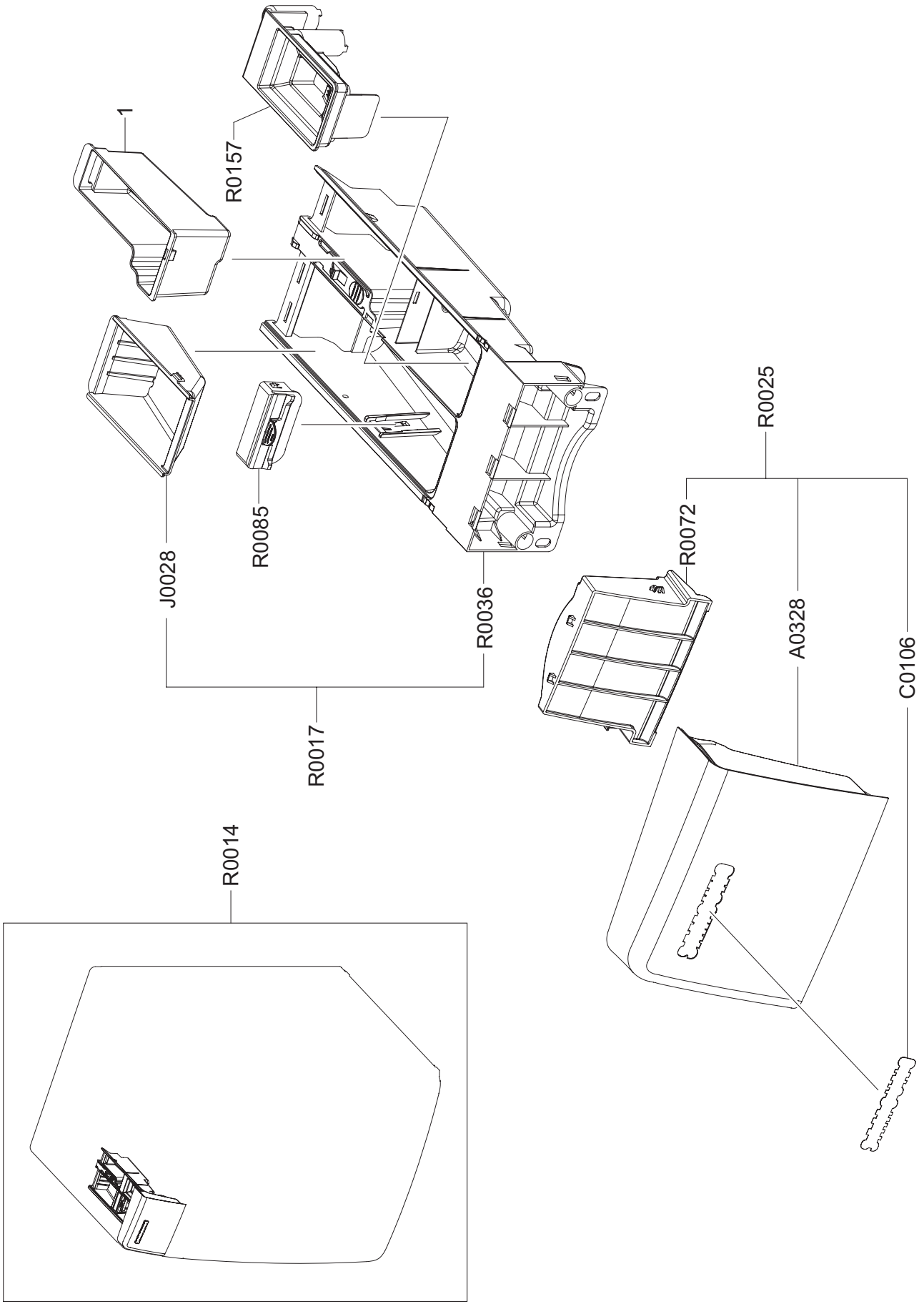
MODEL CODE: WF428AAW/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
A0128	DC64-01547A	WINDOW-PANEL	WF448AAW,ABS,T1.9,-,-,-,SIL	1	PC	SNA
C0002	DC97-14533J	ASSY PANEL CONTROL	PURPLE-JUNIOR,WF428AA	1	PC	SNA
C0002	DC97-14532H	ASSY S.PANEL CONTROL	PURPLE-JUNIOR-PJT,W	1	PC	SA
C0002	DC97-15306J	ASSY S.PANEL CONTROL-SVC	PURPLE-JUNIOR,W	1	PC	SA
C0012	DC64-01548A	WINDOW-DISPLAY	WF448AAW,PC,T1.5,-,-,-,BL	1	PC	SNA
C0029	DC97-14447A	ASSY KNOB ENCODER	WF438AAW,-,-,-,-	1	PC	SA
C0043	DC64-01542A	BUTTON-PUSH(F)	WF448AAW,ABS,-,-,NEAT-WHI	1	PC	SNA
C0044	DC64-01540A	BUTTON-PUSH(P)	WF448AAW/XAA,ABS,-,-,NEAT	1	PC	SNA
C0045	DC64-01577B	BUTTON-PUSH(O)	WF448AAW,ABS,-,-,WHT,RIGH	1	PC	SA
C0045	DC64-01578B	BUTTON-PUSH(O)	WF448AAW,ABS,-,-,WHT,LEFT	1	PC	SA
C0046	DC64-01539A	BUTTON-PUSH(S)	WF448AAW,ABS,-,-,NEAT-WHI	1	PC	SNA
C0055	DC64-01543A	DECORATION-BUTTON(F)	WF448AAW,ABS,-,-,-	1	PC	SNA
C0056	DC64-01541A	DECORATION-BUTTON(P)	WF448AAW,ABS,-,-,-	1	PC	SNA
C0057	DC64-01644A	DECORATION-ENCODER	SEW-HVR149AD,AL,T3.5,	1	PC	SNA
C0082	DC64-01549A	PANEL-CONTROL	WF448AAW/XAA,ABS,-,-,-,-,N	1	PC	SNA
C0104	DC64-01642A	KNOB-ENCODER	SEW-HVR149AD,ABS,T2.0,-,-,N	1	PC	SNA
C0112	DC97-14531C	ASSY BUTTON	PURPLE,WF448AAW,NEAT-WHITE,S	1	PC	SA
U0402	DC64-01576A	BUTTON-RUBBER	WF448AAW,SILICON,-,-,NTR,T	1	PC	SNA
Y0121	DC92-00125A	ASSY PCB LCD	PURPLE LCD WASH SUB,-,-,110	1	PC	SA
Y0183	DC92-00130B	ASSY PCB SUB	Purple Washer,NON STEAM,110	1	PC	SA
5.5-1	DC63-00867A	COVER-BUTTON	WF448AAW,ABS,-,-,-,-,-,NTR,	1	PC	SNA
5.5-2	DC64-01643A	DECORATION-ENCODER(I)	SEW-HVR149AD,ABS,T	1	PC	SNA

MEMO

5-6. ASS'Y DRAWER



MODEL CODE: WF448AAW/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
A0328	DC64-01568A	PANEL-DRAWER	WF448AAW,ABS,T2.5,-,-,-,NEA	1	PC	SNA
C0106	DC64-01387A	MASCOT	FRONTIER II,NICKEL,-,-,-,-,-,-	1	PC	SNA
J0028	DC61-01267A	CASE-PRE WASH	WINGS-PJT,PP(TB53),-,-,-,W	1	PC	SC
R0014	DC97-14530A	ASSY DRAWER	WF438AAC,PURPLE-PJT,-,-,-,-	1	PC	SA
R0017	DC97-14481A	ASSY S.DRAWER	WF438AAC,PURPLE-PJT,-,-,-,	1	PC	SA
R0025	DC97-14491A	ASSY PANEL DRAWER	WF438AAC,PURPLE-PJT,-,	1	PC	SA
R0036	DC61-01992A	BODY-DRAWER	WF448AAW,PP,T2.0,-,-,-,WHT,P	1	PC	SA
R0072	DC64-01646A	DECORATION-PANEL DRAWER	WF448AAW,ABS,T2.	1	PC	SA
R0085	DC61-01171A	GUIDE-LIQUID	GW-PJT,ABS,-,-,-,WHT,-	1	PC	SA
R0157	DC67-00305A	CAP-RINSE	WF448AAW,PP,-,-,-,SOAF-BLUE,PU	1	PC	SA
5.6-1	DC61-01995A	CASE-BLEACH	WF448AAW,PP,-,-,-,SOAF-BLUE,	1	PC	SNA

MODEL CODE: WF448AAP/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
A0328	DC64-01568B	PANEL-DRAWER	WF448AAP,ABS,-,-,-,-,P-SILV	1	PC	SNA
C0106	DC64-01387A	MASCOT	FRONTIER II,NICKEL,-,-,-,-,-,-	1	PC	SNA
J0028	DC61-01267A	CASE-PRE WASH	WINGS-PJT,PP(TB53),-,-,-,W	1	PC	SC
R0014	DC97-14530B	ASSY DRAWER	PURPLE,WF448AAP,P/SILVER,-,-	1	PC	SA
R0017	DC97-14481A	ASSY S.DRAWER	WF438AAC,PURPLE-PJT,-,-,-,	1	PC	SA
R0025	DC97-14491B	ASSY PANEL DRAWER	PURPLE,WF448AAP,-,P/SI	1	PC	SA
R0036	DC61-01992A	BODY-DRAWER	WF448AAW,PP,T2.0,-,-,-,WHT,P	1	PC	SA
R0072	DC64-01646B	DECORATION-PANEL DRAWER	WF448AAP,ABS,-,-	1	PC	SNA
R0085	DC61-01171A	GUIDE-LIQUID	GW-PJT,ABS,-,-,-,WHT,-	1	PC	SA
R0157	DC67-00305A	CAP-RINSE	WF448AAW,PP,-,-,-,SOAF-BLUE,PU	1	PC	SA
5.6-1	DC61-01995A	CASE-BLEACH	WF448AAW,PP,-,-,-,SOAF-BLUE,	1	PC	SNA

MODEL CODE: WF428AAL/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
A0328	DC64-01568E	PANEL-DRAWER	WF428AAL/XAC,ABS,T3.0,-,-,-	1	PC	SA
C0106	DC64-01387A	MASCOT	FRONTIER II,NICKEL,-,-,-,-,-	1	PC	SNA
J0028	DC61-01267A	CASE-PRE WASH	WINGS-PJT,PP(TB53),-,-,-,W	1	PC	SC
R0014	DC97-14530E	ASSY DRAWER	PURPLE-JUNIOR,WF428AAL/XAC,O	1	PC	SA
R0017	DC97-14481A	ASSY S.DRAWER	WF438AAC,PURPLE-PJT,-,-,-,	1	PC	SA
R0025	DC97-14491E	ASSY PANEL DRAWER	PURPLE-JUNIOR,WF428AAL	1	PC	SA
R0036	DC61-01992A	BODY-DRAWER	WF448AAW,PP,T2.0,-,-,-,WHT,P	1	PC	SA
R0072	DC64-01646B	DECORATION-PANEL DRAWER	WF448AAP,ABS,-,-	1	PC	SNA
R0085	DC61-01171A	GUIDE-LIQUID	GW-PJT,ABS,-,-,-,WHT,-	1	PC	SA
R0157	DC67-00305A	CAP-RINSE	WF448AAW,PP,-,-,-,SOAF-BLUE,PU	1	PC	SA
	DC61-01995A	CASE-BLEACH	WF448AAW,PP,-,-,-,SOAF-BLUE,	1	PC	SNA

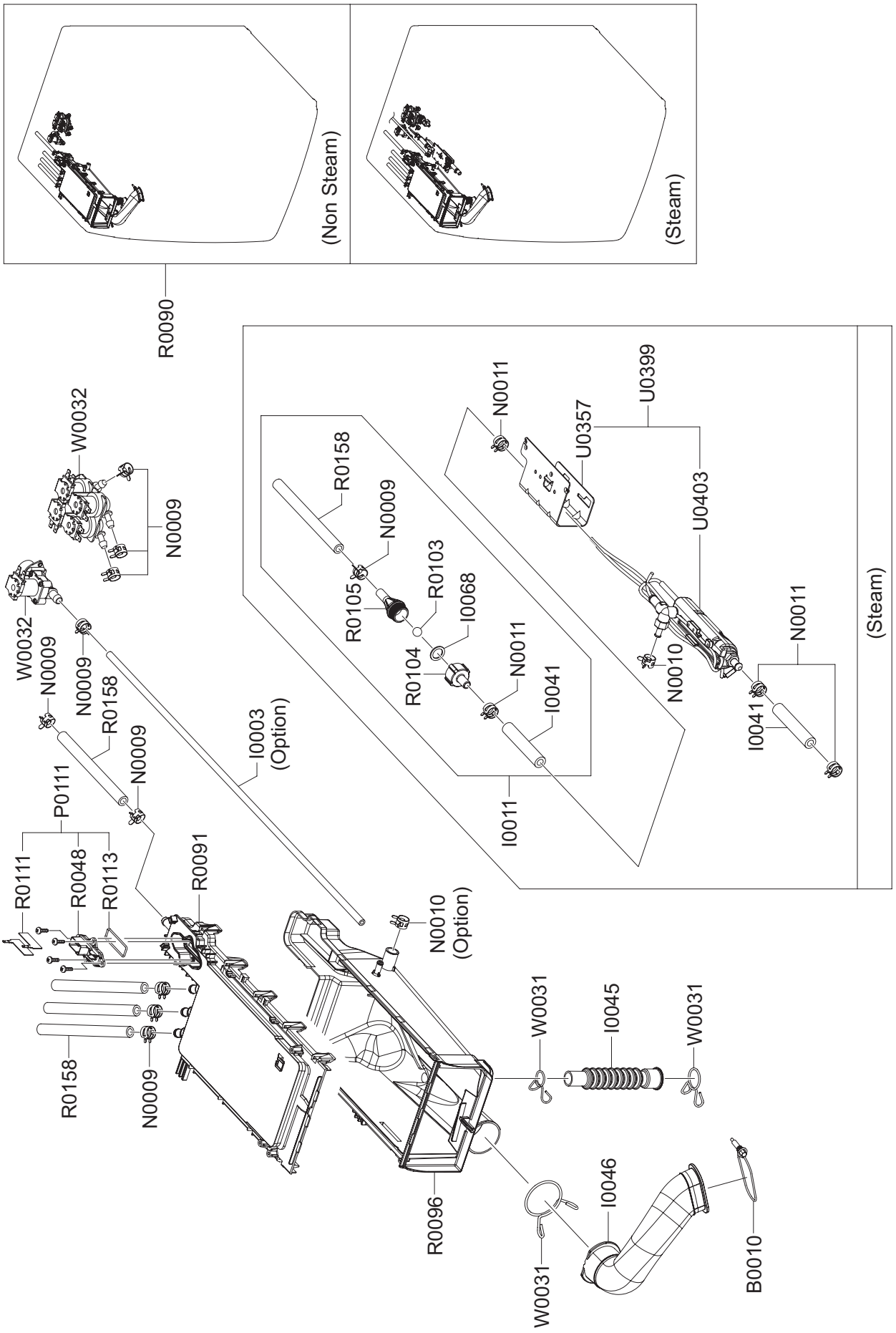
MODEL CODE: WF428AAW/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
A0328	DC64-01568A	PANEL-DRAWER	WF448AAW,ABS,T2.5,-,-,-,NEA	1	PC	SNA
C0106	DC64-01387A	MASCOT	FRONTIER II,NICKEL,-,-,-,-,-,-	1	PC	SNA
J0028	DC61-01267A	CASE-PRE WASH	WINGS-PJT,PP(TB53),-,-,-,W	1	PC	SC
R0014	DC97-14530A	ASSY DRAWER	WF438AAC,PURPLE-PJT,-,-,-,-	1	PC	SA
R0017	DC97-14481A	ASSY S.DRAWER	WF438AAC,PURPLE-PJT,-,-,-,	1	PC	SA
R0025	DC97-14491A	ASSY PANEL DRAWER	WF438AAC,PURPLE-PJT,-,	1	PC	SA
R0036	DC61-01992A	BODY-DRAWER	WF448AAW,PP,T2.0,-,-,-,WHT,P	1	PC	SA
R0072	DC64-01646A	DECORATION-PANEL DRAWER	WF448AAW,ABS,T2.	1	PC	SA
R0085	DC61-01171A	GUIDE-LIQUID	GW-PJT,ABS,-,-,-,WHT,-	1	PC	SA
R0157	DC67-00305A	CAP-RINSE	WF448AAW,PP,-,-,-,SOAF-BLUE,PU	1	PC	SA
5.6-1	DC61-01995A	CASE-BLEACH	WF448AAW,PP,-,-,-,SOAF-BLUE,	1	PC	SNA

MEMO

5-7. ASS'Y HOUSING DRAWER



MODEL CODE: WF448AAW/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
B0010	DC65-00020A	CLAMPER HOSE-JOINT	WF448AAW,HSWR,-,ID69.	1	PC	SNA
I0003	DC67-00089Q	HOSE-WATER	PURPLE-PJT,SILICON,ID5.0,OD9.	1	PC	SNA
I0011	DC97-12578C	ASSY HOSE	PURPLE-PJT,-,HOSE CONNECTING A	1	PC	SNA
I0041	DC67-00181F	HOSE-INLET	PURPLE,SILICON,ID9.3,OD16.5,-	1	PC	SA
I0041	DC67-00181E	HOSE-INLET	K4-PJT,SILICON,ID 9.3,OD 61.5	1	PC	SA
I0045	DC67-00275A	HOSE-AIR	SEW-HTR122L,EPDM,ID22,OD26,T2.	1	PC	SA
I0046	DC67-00317A	HOSE-DRAWER TUB	WF448AAW,EPDM,ID 49,OD 6	1	PC	SA
I0068	DC69-00640A	PACKING-FILTER	DRUM W/M,SILICIN,-,T2.5,-	1	PC	SA
N0009	DC65-00008A	CLAMPER HOSE	SEW-DR605,SK5,-,-,YEL,ID14.	9	PC	SNA
N0009	DC65-00008A	CLAMPER HOSE	SEW-DR605,SK5,-,-,YEL,ID14.	1	PC	SNA
N0010	DC65-00008C	CLAMPER HOSE	DRUM W/M,SK5,-,ID9.0/OD10.5	2	PC	SNA
N0011	DC61-60067C	CLAMPER HOSE	-,SK5,-,ID15.5,WHT,-	3	PC	SNA
N0011	DC61-60067C	CLAMPER HOSE	-,SK5,-,ID15.5,WHT,-	1	PC	SNA
P0111	DC97-13059A	ASSY GUIDE WATER	SEW-HER107ARK,AG+ ASSY/	1	PC	SA
R0048	DC67-00257A	CAP-GUIDE WATER	-,ABS,-,-,-,-,AG+	1	PC	SA
R0090	DC97-14522A	ASSY HOUSING DRAWER	WF438AAC,MAIN/PRE/HO	1	PC	SA
R0091	DC97-14493A	ASSY S.HOUSING DRAWER	WF438AAC,PURPLE-PJ	1	PC	SA
R0096	DC61-01987A	HOUSING-DRAWER(L)	WF448AAW,PP(FH44N),T1.	1	PC	SNA
R0103	DC62-00167A	NOZZLE-BALL	Q1636GW,SILICON,-,-,-,-,-,TS	1	PC	SA
R0104	DC62-00183A	NOZZLE-CONNECTOR(L)	Q1636,PC,D24,-,-,-,T	1	PC	SA
R0105	DC62-00182A	NOZZLE-CONNECTOR(U)	Q1636,PC,D24,-,-,-,T	1	PC	SA
R0111	DC61-01140A	PLATE-SILVER	-,SILVER,T0.8,W15,L40,-,-	2	PC	SNA
R0113	DC62-00237A	SEAL-CAP GUIDE	AG+,SILICON,NTR,T2.0,W17,	1	PC	SNA
R0158	DC67-00051B	HOSE-DRAWER	Q1636GW/XEU,EPDM,ID9.0,OD14.	1.18	M	SA
R0158	DC67-00051B	HOSE-DRAWER	Q1636GW/XEU,EPDM,ID9.0,OD14.	0.24	M	SA
U0357	DC61-02010A	BRACKET-STEAMER	WF448AAW,GI,T1.4,-,-,-,P	1	PC	SNA
U0399	DC97-09101E	ASSY STEAM KIT	WF448AAG,-,120V,900W,-	1	PC	SNA
U0403	DC97-08734E	ASSY STEAMER	PURPLE-PJT,-,120V/60Hz,900W	1	PC	SNA
W0031	DC65-60118N	BAND-RING	SEW-5HW116,HSWR,T2.0,-,-,ZPC2/	1	PC	SNA
W0031	DC65-60125B	BAND-RING	-,HSWR,T2.4,PI25,-,YEL,-	1	PC	SNA
W0031	DC72-00001A	BAND-RING	DRUM-MODEL,HSWR,-,-,-,YEL,ID65	1	PC	SA
W0032	DC62-00214L	VALVE-WATER	PURPLE-PJT,P.P,-,1~8,BLUE,4W	1	PC	SA
W0032	DC62-30314K	VALVE-WATER	V-0117,NYLON #6,83x45,1~8(10	1	PC	SA

MODEL CODE: WF448AAP/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
B0010	DC65-00020A	CLAMPER HOSE-JOINT	WF448AAW,HSWR,-,ID69.	1	PC	SNA
I0003	DC67-00089Q	HOSE-WATER	PURPLE-PJT,SILICON,ID5.0,OD9.	1	PC	SNA
I0011	DC97-12578C	ASSY HOSE	PURPLE-PJT,-,HOSE CONNECTING A	1	PC	SNA
I0041	DC67-00181F	HOSE-INLET	PURPLE,SILICON,ID9.3,OD16.5,-	1	PC	SA
I0041	DC67-00181E	HOSE-INLET	K4-PJT,SILICON,ID 9.3,OD 61.5	1	PC	SA
I0045	DC67-00275A	HOSE-AIR	SEW-HTR122L,EPDM,ID22,OD26,T2.	1	PC	SA
I0046	DC67-00317A	HOSE-DRAWER TUB	WF448AAW,EPDM,ID 49,OD 6	1	PC	SA
I0068	DC69-00640A	PACKING-FILTER	DRUM W/M,SILICIN,-,T2.5,-	1	PC	SA
N0009	DC65-00008A	CLAMPER HOSE	SEW-DR605,SK5,-,-,YEL,ID14.	9	PC	SNA
N0009	DC65-00008A	CLAMPER HOSE	SEW-DR605,SK5,-,-,YEL,ID14.	1	PC	SNA
N0010	DC65-00008C	CLAMPER HOSE	DRUM W/M,SK5,-,ID9.0/OD10.5	2	PC	SNA
N0011	DC61-60067C	CLAMPER HOSE	-,SK5,-,ID15.5,WHT,-	3	PC	SNA
N0011	DC61-60067C	CLAMPER HOSE	-,SK5,-,ID15.5,WHT,-	1	PC	SNA
P0111	DC97-13059A	ASSY GUIDE WATER	SEW-HER107ARK,AG+ ASSY/	1	PC	SA
R0048	DC67-00257A	CAP-GUIDE WATER	-,ABS,-,-,-,-,AG+	1	PC	SA
R0090	DC97-14522A	ASSY HOUSING DRAWER	WF438AAC,MAIN/PRE/HO	1	PC	SA
R0091	DC97-14493A	ASSY S.HOUSING DRAWER	WF438AAC,PURPLE-PJ	1	PC	SA
R0096	DC61-01987A	HOUSING-DRAWER(L)	WF448AAW,PP(FH44N),T1.	1	PC	SNA
R0103	DC62-00167A	NOZZLE-BALL	Q1636GW,SILICON,-,-,-,-,-,TS	1	PC	SA
R0104	DC62-00183A	NOZZLE-CONNECTOR(L)	Q1636,PC,D24,-,-,-,T	1	PC	SA
R0105	DC62-00182A	NOZZLE-CONNECTOR(U)	Q1636,PC,D24,-,-,-,T	1	PC	SA
R0111	DC61-01140A	PLATE-SILVER	-,SILVER,T0.8,W15,L40,-,-	2	PC	SNA
R0113	DC62-00237A	SEAL-CAP GUIDE	AG+,SILICON,NTR,T2.0,W17,	1	PC	SNA
R0158	DC67-00051B	HOSE-DRAWER	Q1636GW/XEU,EPDM,ID9.0,OD14.	1.18	M	SA
R0158	DC67-00051B	HOSE-DRAWER	Q1636GW/XEU,EPDM,ID9.0,OD14.	0.24	M	SA
U0357	DC61-02010A	BRACKET-STEAMER	WF448AAW,GI,T1.4,-,-,-,P	1	PC	SNA
U0399	DC97-09101E	ASSY STEAM KIT	WF448AAG,-,120V,900W,-	1	PC	SNA
U0403	DC97-08734E	ASSY STEAMER	PURPLE-PJT,-,120V/60Hz,900W	1	PC	SNA
W0031	DC65-60118N	BAND-RING	SEW-5HW116,HSWR,T2.0,-,-,ZPC2/	1	PC	SNA
W0031	DC65-60125B	BAND-RING	-,HSWR,T2.4,PI25,-,YEL,-	1	PC	SNA
W0031	DC72-00001A	BAND-RING	DRUM-MODEL,HSWR,-,-,-,YEL,ID65	1	PC	SA
W0032	DC62-00214L	VALVE-WATER	PURPLE-PJT,P.P,-,1~8,BLUE,4W	1	PC	SA
W0032	DC62-30314K	VALVE-WATER	V-0117,NYLON #6,83x45,1~8(10	1	PC	SA

MODEL CODE: WF428AAL/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
B0010	DC65-00020A	CLAMPER HOSE-JOINT	WF448AAW,HSWR,-,ID69.	1	PC	SNA
I0045	DC67-00275A	HOSE-AIR	SEW-HTR122L,EPDM,ID22,OD26,T2.	1	PC	SA
I0046	DC67-00317A	HOSE-DRAWER TUB	WF448AAW,EPDM,ID 49,OD 6	1	PC	SA
N0009	DC65-00008A	CLAMPER HOSE	SEW-DR605,SK5,-,-,YEL,ID14.	10	PC	SNA
P0111	DC97-13059A	ASSY GUIDE WATER	SEW-HER107ARK,AG+ ASSY/	1	PC	SA
R0048	DC67-00257A	CAP-GUIDE WATER	-,ABS,-,-,-,-,AG+	1	PC	SA
R0090	DC97-14522B	ASSY HOUSING DRAWER	WF438AAW/XAA,PURPLE-	1	PC	SA
R0091	DC97-14493A	ASSY S.HOUSING DRAWER	WF438AAC,PURPLE-PJ	1	PC	SA
R0096	DC61-01987B	HOUSING-DRAWER(L)	WF438AAW,PP(FH44N),T1.	1	PC	SNA
R0111	DC61-01140A	PLATE-SILVER	-,SILVER,T0.8,W15,L40,-,-	2	PC	SNA
R0113	DC62-00237A	SEAL-CAP GUIDE	AG+,SILICON,NTR,T2.0,W17,	1	PC	SNA
R0158	DC67-00051B	HOSE-DRAWER	Q1636GW/XEU,EPDM,ID9.0,OD14.	1.95	M	SA
W0031	DC65-60118N	BAND-RING	SEW-5HW116,HSWR,T2.0,-,-,ZPC2/	1	PC	SNA
W0031	DC65-60125B	BAND-RING	-,HSWR,T2.4,PI25,-,YEL,-	1	PC	SNA
W0031	DC72-00001A	BAND-RING	DRUM-MODEL,HSWR,-,-,-,YEL,ID65	1	PC	SA
W0032	DC62-00214L	VALVE-WATER	PURPLE-PJT,P.P,-,1~8,BLUE,4W	1	PC	SA
W0032	DC62-30314K	VALVE-WATER	V-0117,NYLON #6,83x45,1~8(10	1	PC	SA

MODEL CODE: WF428AAW/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
B0010	DC65-00020A	CLAMPER HOSE-JOINT	WF448AAW,HSWR,-,ID69.	1	PC	SNA
I0045	DC67-00275A	HOSE-AIR	SEW-HTR122L,EPDM,ID22,OD26,T2.	1	PC	SA
I0046	DC67-00317A	HOSE-DRAWER TUB	WF448AAW,EPDM,ID 49,OD 6	1	PC	SA
N0009	DC65-00008A	CLAMPER HOSE	SEW-DR605,SK5,-,-,YEL,ID14.	10	PC	SNA
P0111	DC97-13059A	ASSY GUIDE WATER	SEW-HER107ARK,AG+ ASSY/	1	PC	SA
R0048	DC67-00257A	CAP-GUIDE WATER	-,ABS,-,-,-,-,AG+	1	PC	SA
R0090	DC97-14522B	ASSY HOUSING DRAWER	WF438AAW/XAA,PURPLE-	1	PC	SA
R0091	DC97-14493A	ASSY S.HOUSING DRAWER	WF438AAC,PURPLE-PJ	1	PC	SA
R0096	DC61-01987B	HOUSING-DRAWER(L)	WF438AAW,PP(FH44N),T1.	1	PC	SNA
R0111	DC61-01140A	PLATE-SILVER	-,SILVER,T0.8,W15,L40,-,-	2	PC	SNA
R0113	DC62-00237A	SEAL-CAP GUIDE	AG+,SILICON,NTR,T2.0,W17,	1	PC	SNA
R0158	DC67-00051B	HOSE-DRAWER	Q1636GW/XEU,EPDM,ID9.0,OD14.	1.95	M	SA
W0031	DC65-60118N	BAND-RING	SEW-5HW116,HSWR,T2.0,-,-,ZPC2/	1	PC	SNA
W0031	DC65-60125B	BAND-RING	-,HSWR,T2.4,PI25,-,YEL,-	1	PC	SNA
W0031	DC72-00001A	BAND-RING	DRUM-MODEL,HSWR,-,-,-,YEL,ID65	1	PC	SA
W0032	DC62-00214L	VALVE-WATER	PURPLE-PJT,P.P,-,1~8,BLUE,4W	1	PC	SA
W0032	DC62-30314K	VALVE-WATER	V-0117,NYLON #6,83x45,1~8(10	1	PC	SA

MEMO

5-8. PARTS LIST (OTHERS PARTS)

MODEL CODE: WF448AAW/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
A0119	DC72-00012L	SPONGE-SHUTTER	PURPLE-PJT,PU-FOAM,-,T50,	1	PC	SA
C0103	3405-001083	SWITCH-MICRO	250Vac,2A,180gf,3	1	PC	SA
D0111	DC72-00011E	SPONGE-EPDM	WF448AAW,EPDM,-,T1,W35,L65,G	1	PC	SA
U0097	6011-001627	BOLT-ETC	M6,L56,MFZn,SCM435,P1.0/HEX/WS	6	PC	SA
U0353	6031-001482	WASHER-PLAIN	SBC,-,ID12,OD38,T3,ZPC,-	1	PC	SA
Z0006	6002-000213	SCREW-TAPPING	TH,+,-,1,M4,L12,ZPC(WHT),S	2	PC	SA
Z0006	6002-000213	SCREW-TAPPING	TH,+,-,1,M4,L12,ZPC(WHT),S	1	PC	SA
Z0006	6002-000213	SCREW-TAPPING	TH,+,-,1,M4,L12,ZPC(WHT),S	5	PC	SA
Z0006	6002-000213	SCREW-TAPPING	TH,+,-,1,M4,L12,ZPC(WHT),S	1	PC	SA
Z0006	6002-000213	SCREW-TAPPING	TH,+,-,1,M4,L12,ZPC(WHT),S	3	PC	SA
Z0008	6002-000444	SCREW-TAPPING	TH,+,-,2S,M4,L14,PASS,STS4	3	PC	SA
Z0011	6002-001277	SCREW-TAPPING	HEX,+,-,2,M6.5,L40,ZPC(WHT	16	PC	SA
Z0040	6002-001186	SCREW-TAPPING	TH,+,2,M5.5,L16,PASS,STS30	12	PC	SA
Z0040	6002-001186	SCREW-TAPPING	TH,+,2,M5.5,L16,PASS,STS30	3	PC	SA
Z0040	DC97-14006A	ASSY SCREW	WF203,-,-,-,SCREW-TAPPING(M4+	4	PC	SA
Z0040	DC97-09193A	ASSY SCREW	-,MDG9700AWW,-,-,NUT-CIRCULAR	2	PC	SA
Z0048	6009-001476	SCREW-HEX	HEX,+,-,M5,L10,ZPC3(BLK),SWRCH	2	PC	SA
Z0060	6009-001522	SCREW-HEX	HEX,+,-,M5,L16,PASS,STS430,FP,	2	PC	SA
Z0018	6003-000226	SCREW-TAPTITE	TH,+,-,S,M4,L8,ZPC(WHT),SW	4	PC	SC

MODEL CODE: WF448AAP/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
A0119	DC72-00012P	SPONGE-SHUTTER	WF448AAP,PU-FOAM,-,T3,W12	1	PC	SA
A0119	DC72-00012L	SPONGE-SHUTTER	PURPLE-PJT,PU-FOAM,-,T50,	1	PC	SA
C0103	3405-001083	SWITCH-MICRO	250Vac,2A,180gf,3	1	PC	SA
D0111	DC72-00011E	SPONGE-EPDM	WF448AAW,EPDM,-,T1,W35,L65,G	1	PC	SA
U0097	6011-001627	BOLT-ETC	M6,L56,MFZn,SCM435,P1.0/HEX/WS	6	PC	SA
U0353	6031-001482	WASHER-PLAIN	SBC,-,ID12,OD38,T3,ZPC,-	1	PC	SA
Z0006	6002-000213	SCREW-TAPPING	TH,+,-,1,M4,L12,ZPC(WHT),S	3	PC	SA
Z0006	6002-000213	SCREW-TAPPING	TH,+,-,1,M4,L12,ZPC(WHT),S	2	PC	SA
Z0006	6002-000213	SCREW-TAPPING	TH,+,-,1,M4,L12,ZPC(WHT),S	1	PC	SA
Z0006	6002-000213	SCREW-TAPPING	TH,+,-,1,M4,L12,ZPC(WHT),S	5	PC	SA
Z0006	6002-000213	SCREW-TAPPING	TH,+,-,1,M4,L12,ZPC(WHT),S	1	PC	SA
Z0008	6002-000444	SCREW-TAPPING	TH,+,-,2S,M4,L14,PASS,STS4	3	PC	SA
Z0011	6002-001277	SCREW-TAPPING	HEX,+,-,2,M6.5,L40,ZPC(WHT	16	PC	SA
Z0040	DC97-09193A	ASSY SCREW	-,MDG9700AWW,-,-,NUT-CIRCULAR	2	PC	SA
Z0040	6002-001186	SCREW-TAPPING	TH,+,2,M5.5,L16,PASS,STS30	12	PC	SA
Z0040	6002-001186	SCREW-TAPPING	TH,+,2,M5.5,L16,PASS,STS30	3	PC	SA
Z0040	DC97-14006A	ASSY SCREW	WF203,-,-,-,SCREW-TAPPING(M4+	4	PC	SA
Z0048	6009-001476	SCREW-HEX	HEX,+,-,M5,L10,ZPC3(BLK),SWRCH	2	PC	SA
Z0060	6009-001522	SCREW-HEX	HEX,+,-,M5,L16,PASS,STS430,FP,	2	PC	SA
Z0018	6003-000226	SCREW-TAPTITE	TH,+,-,S,M4,L8,ZPC(WHT),SW	4	PC	SC

MODEL CODE: WF428AAL/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
A0119	DC72-00012P	SPONGE-SHUTTER	WF448AAP,PU-FOAM,-,T3,W80	1	PC	SA
A0119	DC72-00012L	SPONGE-SHUTTER	PURPLE-PJT,PE-FOAM,-,T33,	1	PC	SA
D0111	DC72-00011E	SPONGE-EPDM	WF448AAW,EPDM,-,T1,W35,L65,G	1	PC	SA
U0097	6011-001627	BOLT-ETC	M6,L56,MFZn,SCM435,P1.0/HEX/WS	6	PC	SA
U0353	6031-001482	WASHER-PLAIN	SBC,-,ID12,OD38,T3,ZPC,-	1	PC	SA
W0059	DC72-00013J	SPONGE-HARNESS	SEW-5G105A,PU-FOAM,-,T5.0	2	PC	SA
Z0006	6002-000213	SCREW-TAPPING	TH,+,-,1,M4,L12,ZPC(WHT),S	1	PC	SA
Z0006	6002-000213	SCREW-TAPPING	TH,+,-,1,M4,L12,ZPC(WHT),S	2	PC	SA
Z0006	6002-000213	SCREW-TAPPING	TH,+,-,1,M4,L12,ZPC(WHT),S	3	PC	SA
Z0006	6002-000213	SCREW-TAPPING	TH,+,-,1,M4,L12,ZPC(WHT),S	1	PC	SA
Z0006	6002-000213	SCREW-TAPPING	TH,+,-,1,M4,L12,ZPC(WHT),S	5	PC	SA
Z0008	6002-000444	SCREW-TAPPING	TH,+,-,2S,M4,L14,PASS,STS4	3	PC	SA
Z0011	6002-001277	SCREW-TAPPING	HEX,+,-,2,M6.5,L40,ZPC(WHT	16	PC	SA
Z0040	DC97-09193A	ASSY SCREW	-,MDG9700AWW,-,-,NUT-CIRCULAR	2	PC	SA
Z0040	6002-001186	SCREW-TAPPING	TH,+,-,2,M5.5,L16,PASS,STS	12	PC	SA
Z0040	6002-001186	SCREW-TAPPING	TH,+,-,2,M5.5,L16,PASS,STS	3	PC	SA
Z0040	6002-001186	SCREW-TAPPING	TH,+,-,2,M5.5,L16,PASS,STS	3	PC	SA
Z0040	DC97-14006A	ASSY SCREW	WF203,-,SCREW-TAPPING,-,M4/L1	4	PC	SA
Z0048	6009-001476	SCREW-HEX	HEX,+,-,M5,L10,ZPC3(BLK),SWRCH	2	PC	SA
Z0060	6009-001522	SCREW-HEX	HEX,+,-,M5,L16,PASS,STS430,FP,	2	PC	SA
Z0018	6003-000226	SCREW-TAPTITE	TH,+,-,S,M4,L8,ZPC(WHT),SW	4	PC	SC

MODEL CODE: WF428AAW/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
A0119	DC72-00012L	SPONGE-SHUTTER	PURPLE-PJT,PE-FOAM,-,T33,	1	PC	SA
D0111	DC72-00011E	SPONGE-EPDM	WF448AAW,EPDM,-,T1,W35,L65,G	1	PC	SA
U0097	6011-001627	BOLT-ETC	M6,L56,MFZn,SCM435,P1.0/HEX/WS	6	PC	SA
U0353	6031-001482	WASHER-PLAIN	SBC,-,ID12,OD38,T3,ZPC,-	1	PC	SA
W0059	DC72-00013J	SPONGE-HARNESS	SEW-5G105A,PU-FOAM,-,T5.0	2	PC	SA
Z0006	6002-000213	SCREW-TAPPING	TH,+,-,1,M4,L12,ZPC(WHT),S	1	PC	SA
Z0006	6002-000213	SCREW-TAPPING	TH,+,-,1,M4,L12,ZPC(WHT),S	2	PC	SA
Z0006	6002-000213	SCREW-TAPPING	TH,+,-,1,M4,L12,ZPC(WHT),S	3	PC	SA
Z0006	6002-000213	SCREW-TAPPING	TH,+,-,1,M4,L12,ZPC(WHT),S	1	PC	SA
Z0006	6002-000213	SCREW-TAPPING	TH,+,-,1,M4,L12,ZPC(WHT),S	5	PC	SA
Z0008	6002-000444	SCREW-TAPPING	TH,+,-,2S,M4,L14,PASS,STS4	3	PC	SA
Z0011	6002-001277	SCREW-TAPPING	HEX,+,-,2,M6.5,L40,ZPC(WHT	16	PC	SA
Z0040	DC97-09193A	ASSY SCREW	-,MDG9700AWW,-,-,NUT-CIRCULAR	2	PC	SA
Z0040	6002-001186	SCREW-TAPPING	TH,+,-,2,M5.5,L16,PASS,STS	12	PC	SA
Z0040	6002-001186	SCREW-TAPPING	TH,+,-,2,M5.5,L16,PASS,STS	3	PC	SA
Z0040	DC97-14006A	ASSY SCREW	WF203,-,SCREW-TAPPING,-,M4/L1	4	PC	SA
Z0048	6009-001476	SCREW-HEX	HEX,+,-,M5,L10,ZPC3(BLK),SWRCH	2	PC	SA
Z0060	6009-001522	SCREW-HEX	HEX,+,-,M5,L16,PASS,STS430,FP,	2	PC	SA
Z0018	6003-000226	SCREW-TAPTITE	TH,+,-,S,M4,L8,ZPC(WHT),SW	4	PC	SC

5-9. PARTS LIST (SCREW PARTS)

MODEL CODE: WF448AAW/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
Z0006	6002-000213	SCREW-TAPPING	TH,+,-,1,M4,L12,ZPC(WHT),S	12	PC	SA
Z0007	6002-000239	SCREW-TAPPING	TH,+,-,2S,M4,L8,ZPC(WHT),S	12	PC	SNA
Z0008	6002-000444	SCREW-TAPPING	TH,+,-,2S,M4,L14,PASS,STS4	18	PC	SA
Z0011	6002-001277	SCREW-TAPPING	HEX,+,-,2,M6.5,L40,ZPC(WHT	16	PC	SA
Z0013	6002-001279	SCREW-TAPPING	PWH,+,-,1,M4,L12,PASS,STS3	2	PC	SA
Z0015	6002-001306	SCREW-TAPPING	TH,+,-,1,M4,L14,ZPC(WHT),S	14	PC	SNA
Z0018	6003-000226	SCREW-TAPTITE	TH,+,-,S,M4,L8,ZPC(WHT),SW	4	PC	SC
Z0020	6006-001174	SCREW-TAPPING	TH,+,WE,-,M4,L12,ZPC(WHT),	24	PC	SNA
Z0036	6001-001668	SCREW-MACHINE	TH,+,M5,L16,PASS,STS430,FP	1	PC	SA
Z0040	6002-001186	SCREW-TAPPING	TH,+,2,M5.5,L16,PASS,STS30	15	PC	SA
Z0040	DC97-09193A	ASSY SCREW	-,MDG9700AWW,-,-,NUT-CIRCULAR	2	PC	SA
Z0040	DC97-14006A	ASSY SCREW	WF203,-,-,-,SCREW-TAPPING(M4+	4	PC	SA
Z0041	6002-001204	SCREW-TAPPING	TH,+,-,1,M4,L16,PASS,STS43	8	PC	SA
Z0048	6009-001476	SCREW-HEX	HEX,+,-,M5,L10,ZPC3(BLK),SWRCH	2	PC	SA
Z0059	6002-000525	SCREW-TAPPING	FH,+,-,1,M4,L12,PASS,STS30	1	PC	SNA
Z0060	6009-001522	SCREW-HEX	HEX,+,-,M5,L16,PASS,STS430,FP,	2	PC	SA
Z0062	6002-000524	SCREW-TAPPING	TH,+,-,2,M4,L20,ZPC(WHT),S	1	PC	SNA
Z0062	6002-000630	SCREW-TAPPING	PH,+,-,2S,M3,L8,ZPC(WHT),S	2	PC	SNA
Z0062	6002-000632	SCREW-TAPPING	PH,+,-,2S,M4,L16,ZPC(WHT),	6	PC	SNA
Z0062	6002-001366	SCREW-TAPPING	BH,+,2S,M4(P1.8),L16,PASS,	4	PC	SNA
Z0063	6001-000115	SCREW-MACHINE	BH,+,-,M3,L10,ZPC(WHT),SWR	2	PC	SNA

MODEL CODE: WF448AAP/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
Z0006	6002-000213	SCREW-TAPPING	TH,+,-,1,M4,L12,ZPC(WHT),S	12	PC	SA
Z0007	6002-000239	SCREW-TAPPING	TH,+,-,2S,M4,L8,ZPC(WHT),S	12	PC	SNA
Z0008	6002-000444	SCREW-TAPPING	TH,+,-,2S,M4,L14,PASS,STS4	18	PC	SA
Z0011	6002-001277	SCREW-TAPPING	HEX,+,-,2,M6.5,L40,ZPC(WHT	16	PC	SA
Z0013	6002-001279	SCREW-TAPPING	PWH,+,-,1,M4,L12,PASS,STS3	2	PC	SA
Z0015	6002-001306	SCREW-TAPPING	TH,+,-,1,M4,L14,ZPC(WHT),S	14	PC	SNA
Z0018	6003-000226	SCREW-TAPTITE	TH,+,-,S,M4,L8,ZPC(WHT),SW	4	PC	SC
Z0020	6006-001174	SCREW-TAPPING	TH,+,WE,-,M4,L12,ZPC(WHT),	24	PC	SNA
Z0036	6001-001668	SCREW-MACHINE	TH,+,M5,L16,PASS,STS430,FP	1	PC	SA
Z0040	6002-001186	SCREW-TAPPING	TH,+,2,M5.5,L16,PASS,STS30	15	PC	SA
Z0040	DC97-09193A	ASSY SCREW	-,MDG9700AWW,-,-,NUT-CIRCULAR	2	PC	SA
Z0040	DC97-14006A	ASSY SCREW	WF203,-,-,-,SCREW-TAPPING(M4+	4	PC	SA
Z0041	6002-001204	SCREW-TAPPING	TH,+,-,1,M4,L16,PASS,STS43	8	PC	SA
Z0048	6009-001476	SCREW-HEX	HEX,+,-,M5,L10,ZPC3(BLK),SWRCH	2	PC	SA
Z0050	6002-000231	SCREW-TAPPING	TH,+,-,2S,M4,L12,ZPC(WHT),	4	PC	SNA
Z0059	6002-000525	SCREW-TAPPING	FH,+,-,1,M4,L12,PASS,STS30	1	PC	SNA
Z0060	6009-001522	SCREW-HEX	HEX,+,-,M5,L16,PASS,STS430,FP,	2	PC	SA
Z0062	6002-000524	SCREW-TAPPING	TH,+,-,2,M4,L20,ZPC(WHT),S	1	PC	SNA
Z0062	6002-000630	SCREW-TAPPING	PH,+,-,2S,M3,L8,ZPC(WHT),S	2	PC	SNA
Z0062	6002-000632	SCREW-TAPPING	PH,+,-,2S,M4,L16,ZPC(WHT),	6	PC	SNA
Z0062	6002-001366	SCREW-TAPPING	BH,+,2S,M4(P1.8),L16,PASS,	4	PC	SNA
Z0063	6001-000115	SCREW-MACHINE	BH,+,-,M3,L10,ZPC(WHT),SWR	2	PC	SNA

MODEL CODE: WF428AAL/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
Z0006	6002-000213	SCREW-TAPPING	TH,+,-,1,M4,L12,ZPC(WHT),S	12	PC	SA
Z0007	6002-000239	SCREW-TAPPING	TH,+,-,2S,M4,L8,ZPC(WHT),S	13	PC	SNA
Z0008	6002-000444	SCREW-TAPPING	TH,+,-,2S,M4,L14,PASS,STS4	18	PC	SA
Z0011	6002-001277	SCREW-TAPPING	HEX,+,-,2,M6.5,L40,ZPC(WHT	16	PC	SA
Z0013	6002-001279	SCREW-TAPPING	PWH,+,-,1,M4,L12,PASS,STS3	2	PC	SA
Z0015	6002-001306	SCREW-TAPPING	TH,+,-,1,M4,L14,ZPC(WHT),S	14	PC	SNA
Z0018	6003-000226	SCREW-TAPTITE	TH,+,-,S,M4,L8,ZPC(WHT),SW	4	PC	SC
Z0020	6006-001174	SCREW-TAPPING	TH,+,WE,-,M4,L12,ZPC(WHT),	19	PC	SNA
Z0036	6001-001668	SCREW-MACHINE	TH,+,M5,L16,PASS,STS430,FP	1	PC	SA
Z0040	6002-001186	SCREW-TAPPING	TH,+,-,2,M5.5,L16,PASS,STS	15	PC	SA
Z0040	DC97-09193A	ASSY SCREW	-,MDG9700AWW,-,-,NUT-CIRCULAR	2	PC	SA
Z0040	DC97-14006A	ASSY SCREW	WF203,-,SCREW-TAPPING,-,M4/L1	4	PC	SA
Z0041	6002-001204	SCREW-TAPPING	TH,+,-,1,M4,L16,PASS,STS43	8	PC	SA
Z0048	6009-001476	SCREW-HEX	HEX,+,-,M5,L10,ZPC3(BLK),SWRCH	2	PC	SA
Z0057	6002-000234	SCREW-TAPPING	TH,+,-,2S,M4,L16,ZPC(WHT),	4	PC	SNA
Z0059	6002-000525	SCREW-TAPPING	FH,+,-,1,M4,L12,PASS,STS30	1	PC	SNA
Z0060	6009-001522	SCREW-HEX	HEX,+,-,M5,L16,PASS,STS430,FP,	2	PC	SA
Z0062	6002-000524	SCREW-TAPPING	TH,+,-,2,M4,L20,ZPC(WHT),S	1	PC	SNA
Z0062	6002-000632	SCREW-TAPPING	PH,+,-,2S,M4,L16,ZPC(WHT),	6	PC	SNA

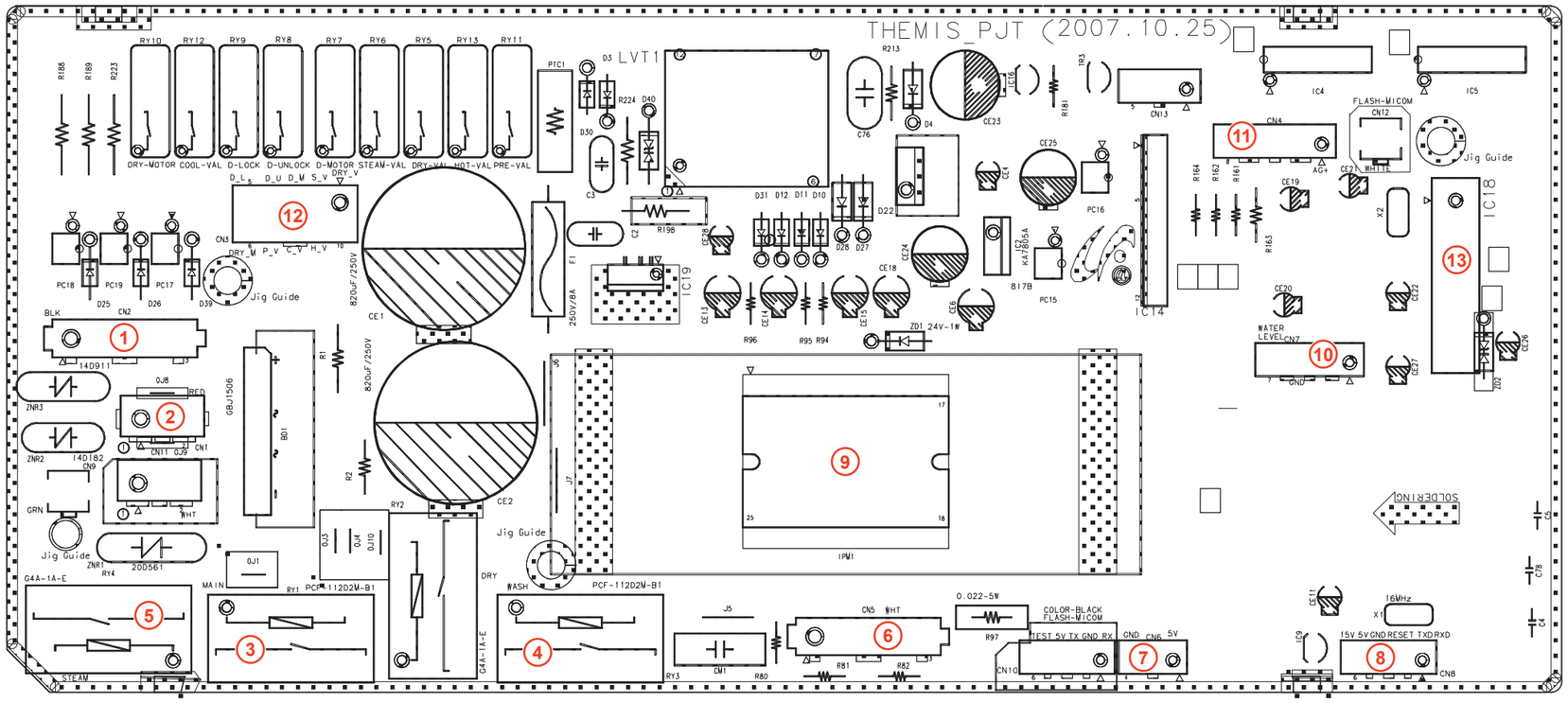
MODEL CODE: WF428AAW/XAC

Service Bom (**SA**: SERVICE AVAILABLE, **SNA**: SERVICE NOT AVAILABLE)

SVC Code	Code No.	Description	Specification	QTY	Un	SA/ SNA
Z0006	6002-000213	SCREW-TAPPING	TH,+,-,1,M4,L12,ZPC(WHT),S	12	PC	SA
Z0007	6002-000239	SCREW-TAPPING	TH,+,-,2S,M4,L8,ZPC(WHT),S	13	PC	SNA
Z0008	6002-000444	SCREW-TAPPING	TH,+,-,2S,M4,L14,PASS,STS4	18	PC	SA
Z0011	6002-001277	SCREW-TAPPING	HEX,+,-,2,M6.5,L40,ZPC(WHT	16	PC	SA
Z0013	6002-001279	SCREW-TAPPING	PWH,+,-,1,M4,L12,PASS,STS3	2	PC	SA
Z0015	6002-001306	SCREW-TAPPING	TH,+,-,1,M4,L14,ZPC(WHT),S	14	PC	SNA
Z0018	6003-000226	SCREW-TAPTITE	TH,+,-,S,M4,L8,ZPC(WHT),SW	4	PC	SC
Z0020	6006-001174	SCREW-TAPPING	TH,+,WE,-,M4,L12,ZPC(WHT),	19	PC	SNA
Z0036	6001-001668	SCREW-MACHINE	TH,+,M5,L16,PASS,STS430,FP	1	PC	SA
Z0040	6002-001186	SCREW-TAPPING	TH,+,-,2,M5.5,L16,PASS,STS	15	PC	SA
Z0040	DC97-09193A	ASSY SCREW	-,MDG9700AWW,-,-,NUT-CIRCULAR	2	PC	SA
Z0040	DC97-14006A	ASSY SCREW	WF203,-,SCREW-TAPPING,-,M4/L1	4	PC	SA
Z0041	6002-001204	SCREW-TAPPING	TH,+,-,1,M4,L16,PASS,STS43	8	PC	SA
Z0048	6009-001476	SCREW-HEX	HEX,+,-,M5,L10,ZPC3(BLK),SWRCH	2	PC	SA
Z0057	6002-000234	SCREW-TAPPING	TH,+,-,2S,M4,L16,ZPC(WHT),	4	PC	SNA
Z0059	6002-000525	SCREW-TAPPING	FH,+,-,1,M4,L12,PASS,STS30	1	PC	SNA
Z0060	6009-001522	SCREW-HEX	HEX,+,-,M5,L16,PASS,STS430,FP,	2	PC	SA
Z0062	6002-000524	SCREW-TAPPING	TH,+,-,2,M4,L20,ZPC(WHT),S	1	PC	SNA
Z0062	6002-000632	SCREW-TAPPING	PH,+,-,2S,M4,L16,ZPC(WHT),	6	PC	SNA

6. PCB DIAGRAM

6-1. MAIN PCB



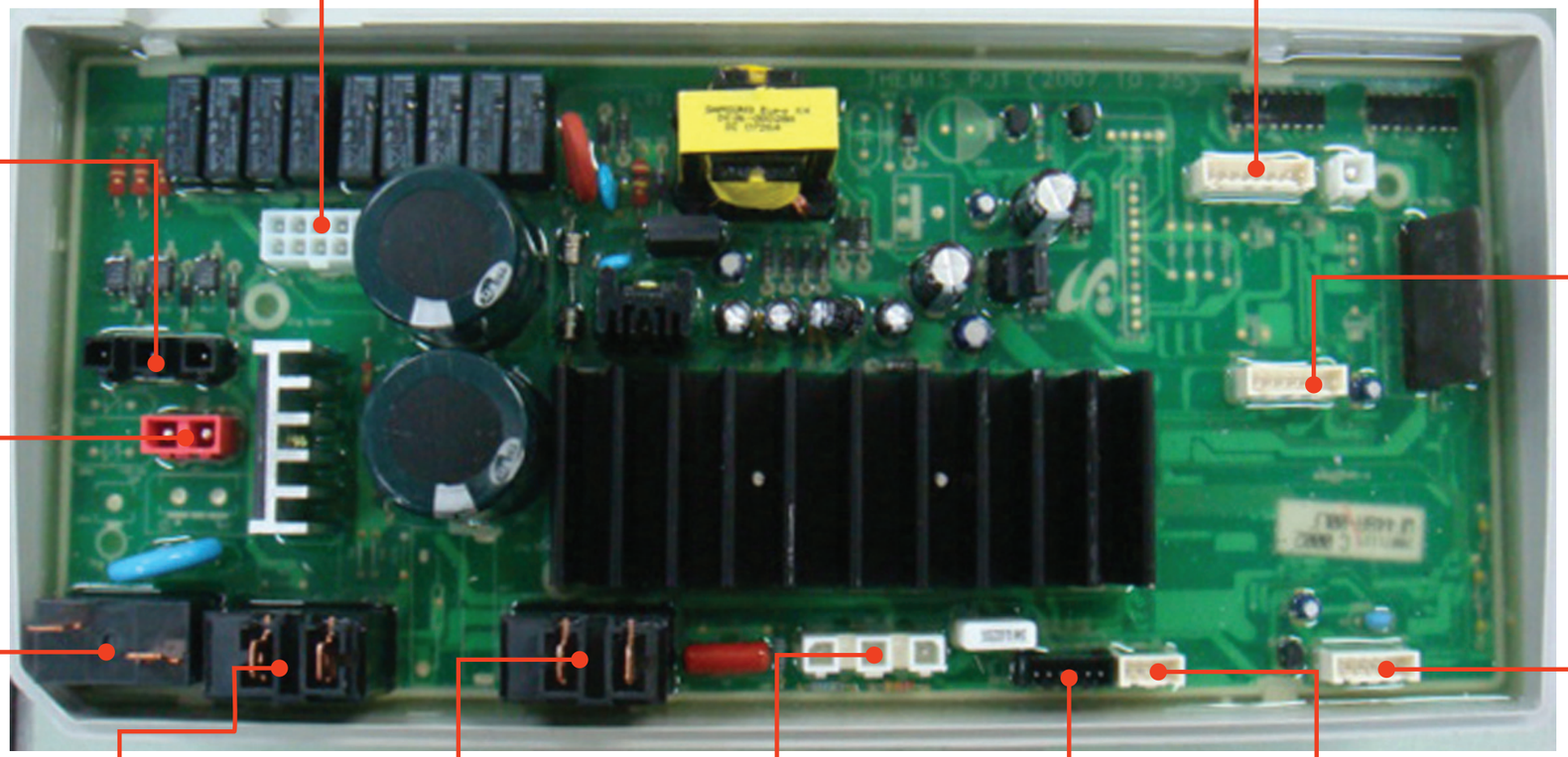
Location	Part No.	Function	Description
1	CN2	PBA Power Supply	Supplies 120V of AC power
2	CN1	Reactor Connection Port	Blocks noise generated when the motor operates.
3	RY1	Main Relay	Supplies PBA power when the Power button is pressed.
4	RY3	Washing Heater Relay	The switch for the Washing Heater power supply drive.
5	RY4	Steam Heater Relay (Only WF448***)	The switch for the Steam Heater power supply drive.
6	CN5	Motor Power Supply Port	Supplies the 3-phase drive voltage for the Washing Motor.
7	CN6	Hole Sensor Connection Port	Detects whether the Washing Motor is working normally.

Location	Part No.	Function	Description
8	CN8	SUB PBA Connection Port	Supplies power to the Sub PBA and provides a communications function.
9	IPM1	Washing Motor Drive IC	Switches and supplies the voltages for the motor.
10	CN7	Water Level And Temperature Sensor Connector	Detects the laundry, water supply, and water draining operations and detects whether each heater is working properly.
11	CN4	Door And Silver Nano Connector	Detects the door operations and supplies power for the Silver Nano.
12	CN3	Each Load Connection Port	The port to supply power for each electric device.
13	IC18	Ag IC	Drives the Ag IC.

6-2. CONNECTOR AND RELAY PORT PART DETAILED MANUAL (MAIN PCB)

► **CN3**
1. Door Lock Close
2. Door Lock Open
3. Drain Pump
4. Steam Valve
5. Bleach Valve
6. Circulation Pump
7. Pre Valve
8. Main Valve
9. Hot Valve

► **CN4**
1. Door Switch
2. Empty Pin
3. Door Switch
4. Empty Pin
5. Empty Pin
6. Empty Pin
7. AG Sensor
8. AG Sensor



► **CN2**
1. AC Power Port
2. AC Power OFF Detection Sensor
3. Door Detection Sensor (LOCK, UNLOCK)

► **CN7**
1. Empty Pin
2. Empty Pin
3. Empty Pin
4. Washing Water Temperature Sensor
5. Ground
6. Washing Water Level Sensor
7. Washing Water Level Sensor

► **CN1**
1. Reactor Connection Port
2. Reactor Connection Port

► **CN8**
1. Communications Port (Rx)
2. Communications Port (Tx)
3. Rest Signal Output
4. Ground
5. 5V
6. 15V

► **RY4 (Only WF448***)**
1. Steam Heater Relay Switch
2. Steam Heater Relay Switch

► **RY1**
1. Main Power Relay Switch
2. Main Power Relay Switch

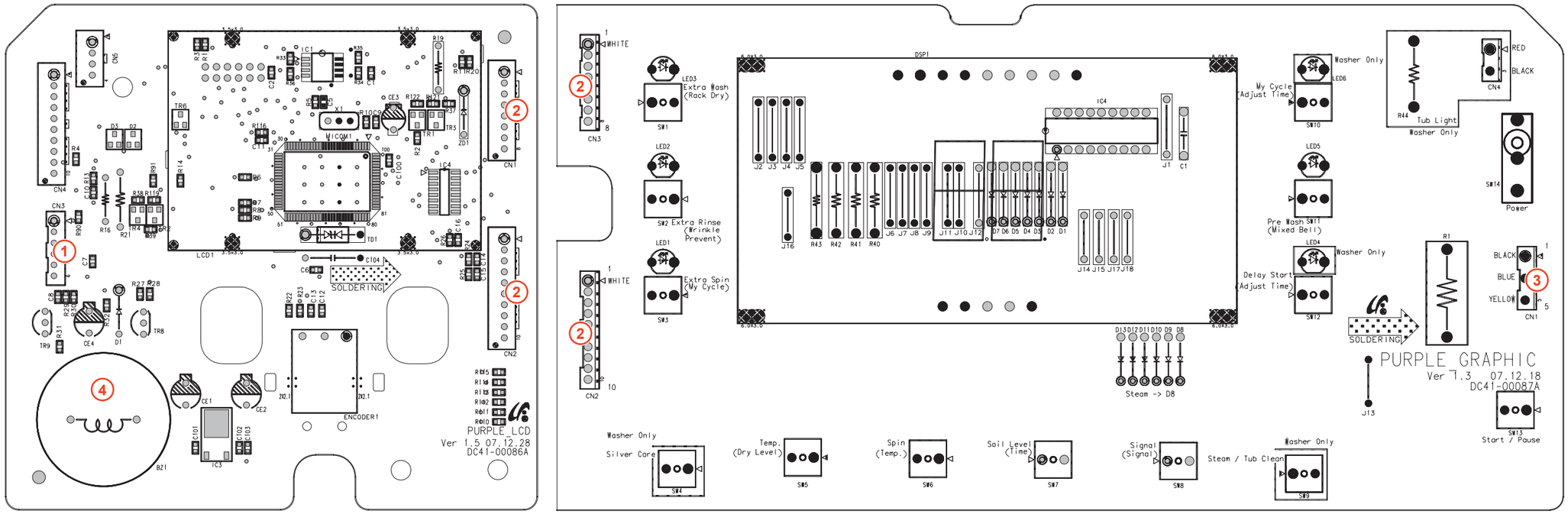
► **RY4**
1. Washing Heater Relay Switch
2. Washing Heater Relay Switch

► **CN5**
1. Motor Power (U Phase)
2. Motor Power (V Phase)
3. Motor Power (W Phase)

► **CN10**
1. AC OFF Check
2. Test Mode
3. 5V
4. Transmission Port
5. Ground
6. Input Port

► **CN6**
1. 5V
2. Hole Sensor Signal
3. Hole Sensor Signal
4. Ground

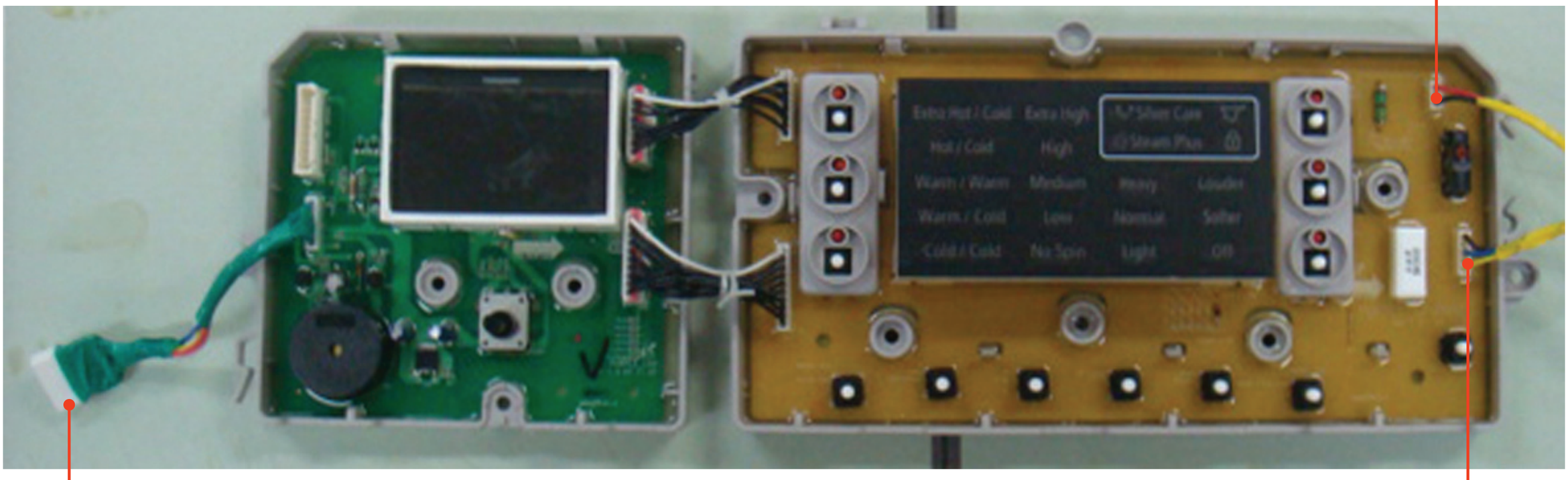
6-3. SUB PCB



Location	Part No.	Function	Description
1	LCD CN3	Main PBA Connection Port	Receives power from the Main PBA and provides a communications function.
2	LCD CN1 and so on.	LCD, Display Connection Port	Connects the LCD Board and the Graphics Board.
3	Graphic CN1	Power Connection Port	Connects power.
4	BZ1	Buzzer Circuit	Generates sound when the Menu key is pressed, the Encoder operates and the menu is closed.

6-4. CONNECTOR PORT PART DETAILED MANUAL (SUB PCB)

► **CN4_GRAPHIC**
1. Tub Light Drive Signal
2. Empty Pin
3. Ground



► **CN1_LCD**
1. Communications Port (Tx)
2. Communications Port (Rx)
3. Outputs the Reset Signal
4. Ground
5. 5V
6. 15V

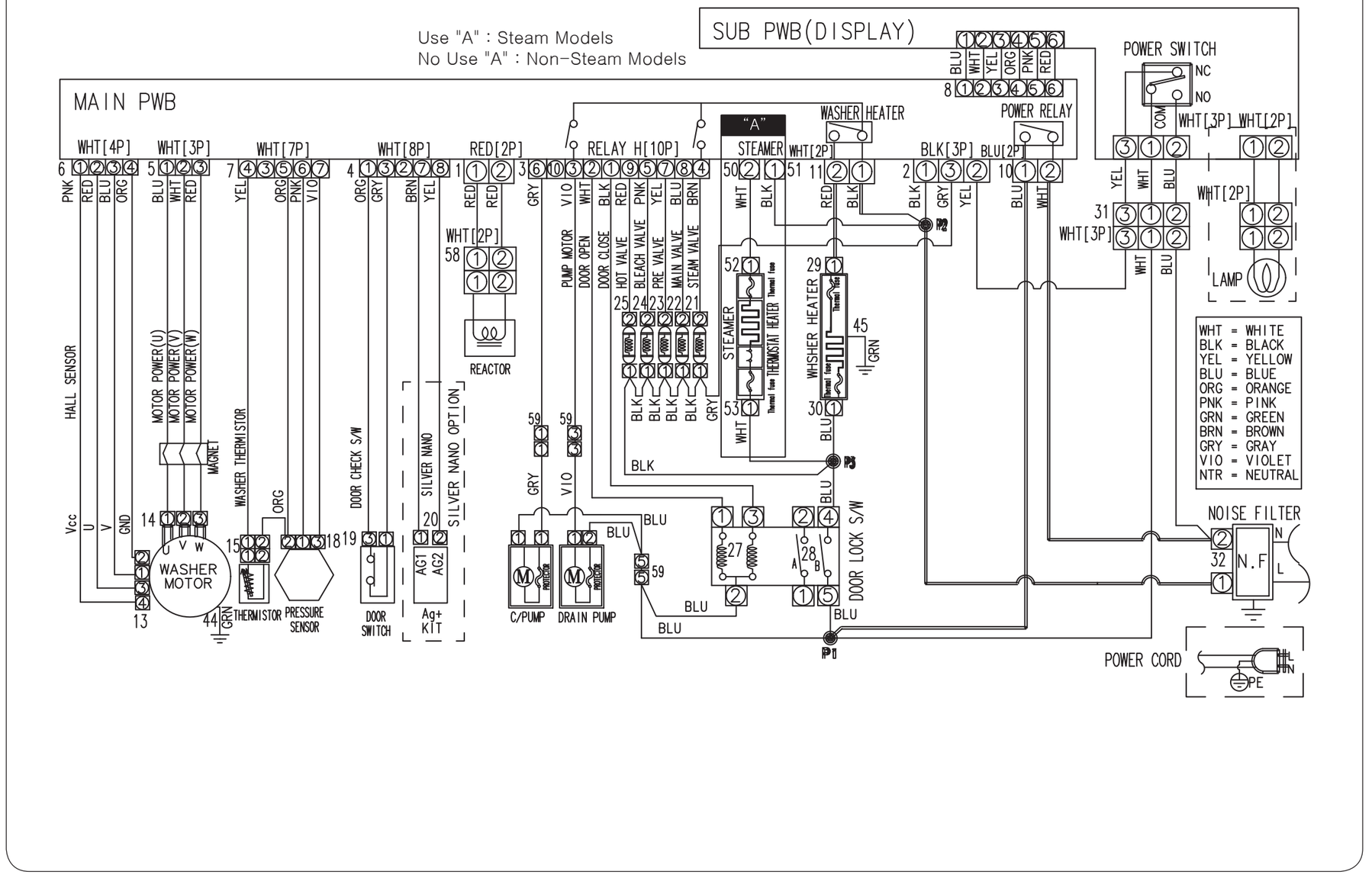
► **CN1_GRAPHIC**
1. CO
2. Empty Pin
3. NO
4. Empty Pin
5. NC

7. WIRING DIAGRAM

7-1. WIRING DIAGRAM

■ REFERENCE INFORMATION

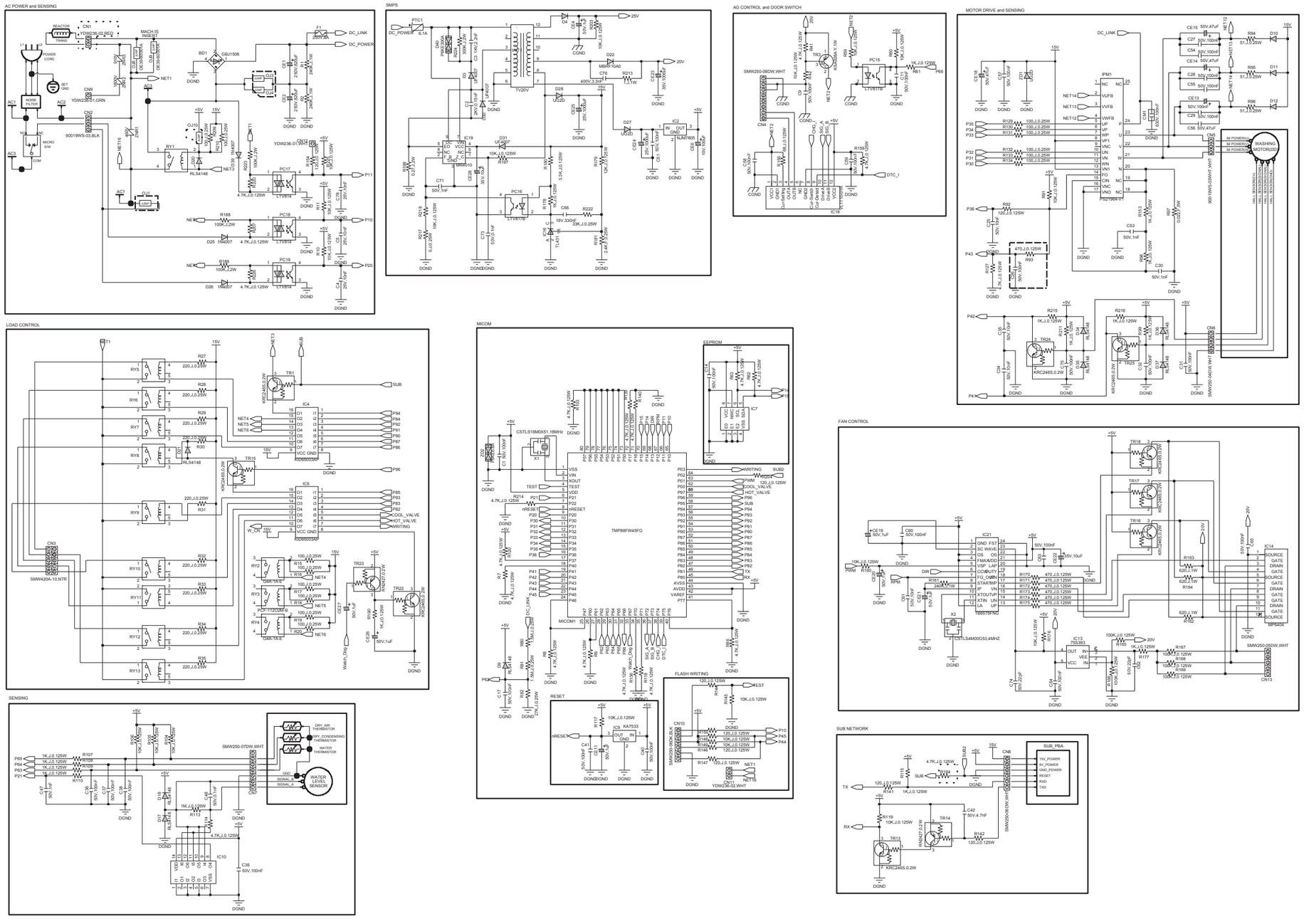
BLK	BLACK
BLU	BLUE
GRN	GREEN
GRY	GRAY
NTR	NATURAL
ORG	ORANGE
PNK	PINK
RED	RED
SKYBLU	SKYBLUE
VIO	VIOLET
WHT	WHITE
YEL	YELLOW



8. SCHEMATIC DIAGRAM

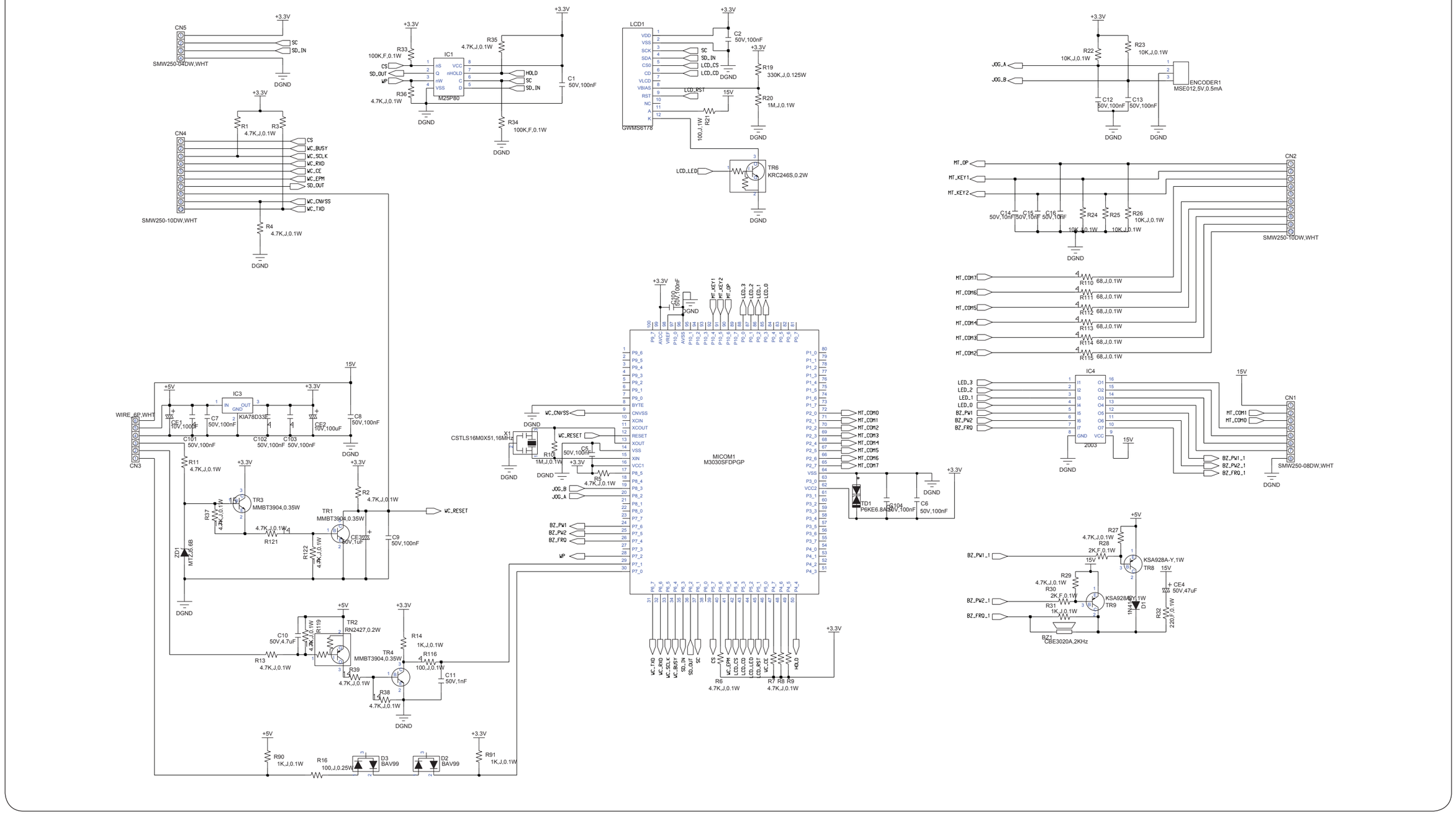
8-1. MAIN CONTROL

► This Document can not be used without Samsungs authorization.



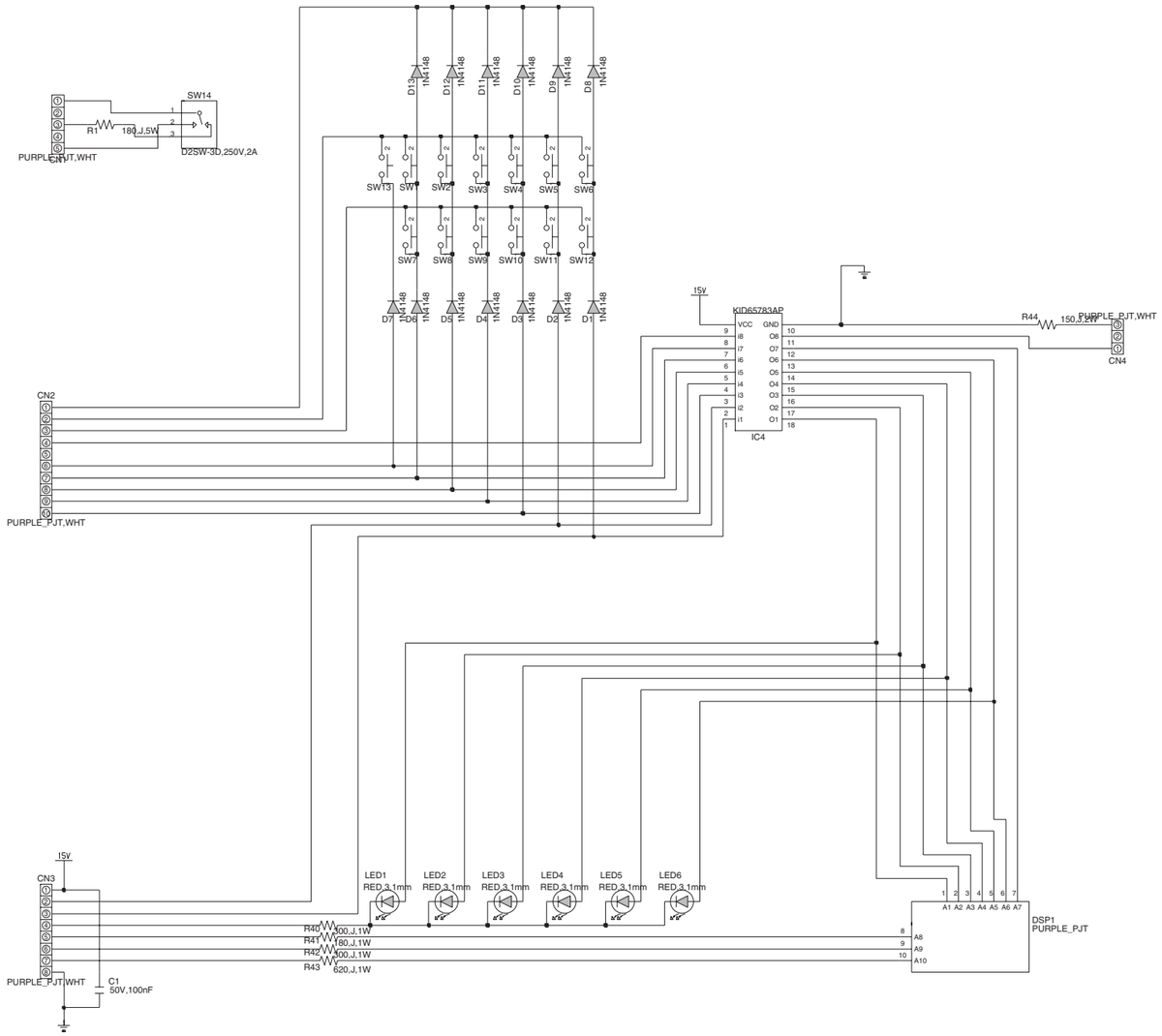
8-2. SUB CONTROL (LCD)

► This Document can not be used without Samsungs authorization.



8-3. SUB CONTROL (GRAPHIC)

► This Document can not be used without Samsungs authorization.



GSPN (GLOBAL SERVICE PARTNER NETWORK)

Area	Web Site
North America	http://service.samsungportal.com
Latin America	http://latin.samsungportal.com
CIS	http://cis.samsungportal.com
Europe	http://europe.samsungportal.com
China	http://china.samsungportal.com
Asia	http://asia.samsungportal.com
Mideast & Africa	http://mea.samsungportal.com

This Service Manual is a property of Samsung Electronics Co.,Ltd.
Any unauthorized use of Manual can be punished under applicable International and/or domestic law.

© 2008 Samsung Electronics Co.,Ltd. All rights reserved.

Printed in Korea
Code No.: DC68-02722B-01_EN